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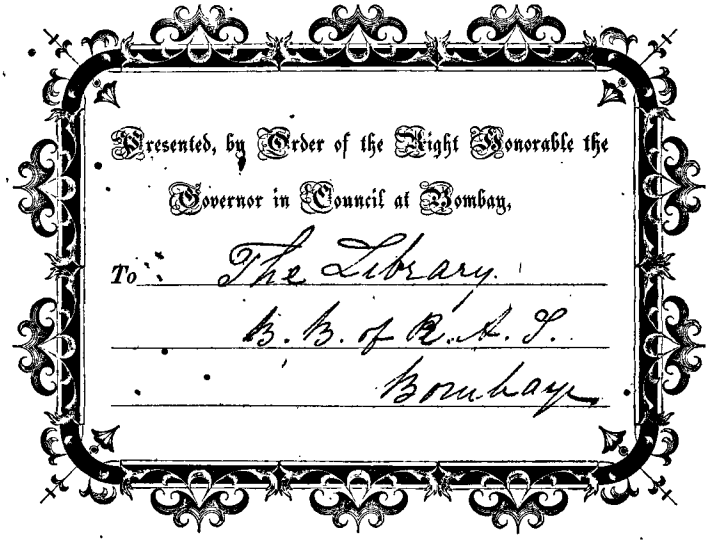

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BOMBAY MAGNETICAL OBSERVATORY.

PART I.

MAGNETICAL OBSERVATIONS.

1861.

INTRODUCTION TO THE MAGNETICAL OBSERVATIONS

FOR 1861.

SITUATION OF THE OBSERVATORY.

THE Government Observatory at Bombay is situated nearly at the southern extreme of the Island of Colaba, and consists of several small buildings, in a large compound, entirely walled round. It is bounded on the west by the public road from the Fort of Bombay; on the east by the sea forming the entrance to the Harbour; on the south by the Lighthouse; and on the north by the compound of a private house. Its distance from the Fort is about two miles and a third.

Its Latitude is..... + North 18°53′30″
Its Longitude is ..... — East 4h. 51m. 16·32s*

The latter being dependent on the longitude of the Madras Observatory, supposed to be 5h. 20m. 57·28s., as determined by the late Mr. Taylor, Astronomer.

The "difference of longitude" between Madras and Bombay, as determined from the measurement of the G. T. S. of India, gives the longitude of the Bombay Observatory—4h. 51m. 12·3s., and this longitude has been adopted by Hydrographers in preference to the above, although the difference is only one minute of arc.

The grounds of the Observatory are well studded with trees, principally Bora trees (*Ziziphus lotus*), which emit a very offensive odour when in blossom; there are also a few Date, Palm, Mango, and Tamarind trees, and several sorts of shrubs.

The soil is partly of greenstone, but principally of reddish earth, of a very productive nature; the latter, however, is not deep, and rests on a rocky foundation, which in many places rises above the usual level of the surface. The grounds though tolerably even in the western half of the compound, have a gradual slope towards the sea in the eastern half, which accomplishes a quick drainage in heavy rains, and thereby prevents undue moisture.

Buildings in the Observatory.—The Magnetical Department of the Observatory consists of six separate buildings; and the Astronomical Department of one large Transit-Room

* Found by Lunar transits and occultations of Stars and Planets by the Moon, from several series of observations made at this Observatory from 1840 to 1853, but the Instruments are not of the highest order, as in England and in Europe generally.

and two Domes. A large Zinc Ball, complete with Electrical Apparatus for dropping the same was erected at the Observatory on the 15th of January 1859, for signalizing the true time to the shipping in the harbour. A description of the building and working of the Apparatus is given in the Volume for 1859.

Adjoining the Transit-Room, and connected with it by a covered passage 14 by 9 feet, is a large office 64 feet by 29 feet. This room is used for copying Charts and Plans, and also for keeping a stock of Charts and Mathematical Instruments for the use of the Government Vessels of War, and belongs exclusively to the Hydrographical Department of the Indian Navy. In addition to these buildings, I have to add that a dwelling-house, with out-offices, is provided for the Superintendent, also one for the First Assistant in the Magnetical Department, and suitable quarters for the Assistants, Observers, and Hammauls of the Observatory.

Staff of the Observatory.—During the year 1861, the staff of the Observatory was as follows:—

MAGNETICAL DEPARTMENT.

Goverdhun Luxumon C.....	First Assistant.
Naro Balcrushna	Second Assistant.
Crushnajee Appajee	Observer.
Ramchund Pandoorung.....	Observer.
Baboo Moreshwer	Observer.
Narayen Ramchunder	Computer.

ASTRONOMICAL DEPARTMENT.

Govind Ramchunder.

The Astronomical Department, which is principally for the purpose of getting the correct time by observed transits of the Stars, to rate Chronometers, and signal the true Mean Time at 1h. P.M. by drop of Ball to the shipping in the harbour, is under my own personal superintendence. The Observations, however, are not published.

In the Magnetical Department the system adopted in the year 1861 was the same as that in the preceding years.

Besides the duties of the Observatory, the Superintendent is charged with the Hydrographical Department of H. M.'s Indian Navy. The superintendence of the Observatory is an adjunct to the appointment of the Hydrographer: and the office of the latter being in the Naval Department, both are under the orders of the Commander in Chief of H. M.'s Indian Navy.

The Results for the year 1861 were deduced under my direction by the First Assistant Goverdhun Luxumon C., assisted by the Second Assistant.

E. F. T. FERGUSSON, Lieut. I. N.,
Superintendent.

The Instruments actually observed in the Magnetical Department are as follows:—

Magnetical Instruments.

Declinometers (large and small).

Horizontal Force Magnetometers (large and small), with their attached Thermometers.

Vertical Force Magnetometer, with its attached Thermometer.

Dip Circle.

Apparatus for Deflections.

Meteorological Instruments.*

Barometers, Nos. 58 and 48, with their attached Thermometers.

Thermometers (six), in the Thermometer Shed.

Anemometers (two), by Osler and Lynd (Osler's is a self-registering instrument).

Rain Gauges, Nos. 1 and 2.

Electrical Apparatus.

Tidal Apparatus (a self-registering instrument).

Göttingen Mean Time has been strictly adhered to in taking Magnetical Observations, and Bombay Civil Time has been used in observing Meteorological Instruments.

Throughout the year 1861, all the Magnetometers and Meteorological Instruments were observed hourly, duly registered, and curved every day, except on Sundays and a few other holidays.

Besides these, there were the Monthly "Term Day" Observations; also the Observations of Meteorological and Magnetical Disturbances, when their occurrence required.

DECLINATION.

The Large Declinometer was obtained from Grubb, of Dublin, and is of exactly the same construction as that described in the Report of the Committee of the Royal Society for 1840.

The small Declinometer is the same as the Unifilar Magnetometer described in page 60 of Lieutenant Riddle's "Magnetical Instructions," with the exception that it has no glass bell over it.

* A description of the Meteorological Instruments is given in the second part of this Volume.

The dimensions of the Magnets, and the several co-efficients of both the Declinometers, are as follows:—

	Large Declinometer.	Small Declinometer.
Length of the Magnet	1·25 feet.	2·46 inches.
Breadth ditto	0·0715 „	
Thickness ditto	0·0208 „	0·30 inches.
Weight ditto	62·030 grains.	
Form of Magnets	Solid Bar.	Solid Cylinder.
Silk Fibres of Suspension, in number.....	40	2
The Value of one Integer of Scale Reading....	6·841	5·23
The Zero Point of Scale	28·2733 (Dec. 1858)	29·991 (Oct. 15, 1858.)
Value of $1 + \frac{n}{p}$ in its last adjustment.....	1·002864	1·0019
Mean Time of one Vibration in its perfect adjustment	12·95 seconds.	3·45 seconds.

A change of 0·10 scale division of Large Declinometer is nearly equal to 0·12 scale division of Small Declination Magnetometer.

Length of the suspension of large Declinometer was 33·5 inches.

TABLE I.—*Showing the Declination in Arc, as obtained from the Scale Readings of Small Declination Magnetometer.*

1861.	Mean Monthly Values of Declination by S. D. M.	Excess above the Values obtained from Large Declinometer.	1861.	Mean Monthly Values of Declination by S. D. M.	Excess above the Values obtained from Large Declinometer.
January	0°23′40	—0°1′871	July	0°25′79	—0°0′391
February	·23 88	·1·809	August	·26·02	·1·873
March	·24·48	·1·695	September	·25·77	·3·315
April.....	·24·24	·1·817	October	·25·72	·3·310
May	·24·32	·1·701	November	·24·33	·4·504
June.....	·25·10	·1·006	December.....	·25·31	·3·657

This Table shows that the mean difference of this with the Large Declinometer was about 1·520 till August, but afterwards the difference was about 3·696 on an average of four months.

The large difference in the values obtained by the Large and Small Declinometers, may have arisen from the smaller magnet not being so strongly magnetic as the standard bar, and, from its case not being weather-proof, more susceptible to oxydisation during the rains. The small Declinometer daily increased by about 0·00567m, in arc.

Weekly observations tend to show that no material change occurred in the moments of the Declination Magnets, as the time of vibration in one month was nearly equal to the time of vibration in the others.

During the year 1861, the Large Declinometer remained under the same adjustment as in the preceding year till the 5th of July, but afterwards was re-adjusted.

Adjustments of Large Declinometer.

The Large Declination Magnetometer not showing the Scale division clearly at about 5h. P.M. on the 5th of July 1861, rendered it necessary to lower the glass behind the Magnet to allow the rays of light to pass freely on the attached scale. At about midnight of the 6th instant, however, the suspension fibres and the Magnet were found lying on the marble slab of the pedestal, the suspension threads having broken in the middle. The following adjustments were then made under Lieut. Mitcheson's supervision :—

The box of the Instrument was opened at 9½ A.M. on the 6th instant, the Magnet taken out, the old suspension threads removed, and a set of new fibres of floss silk were substituted in their place. The brass box was suspended thereto to take out any twist that might be in the new suspension and to ascertain the plane of detorsion. Having ascertained the plane of detorsion, the Torsion Circle was turned until it brought the detorsion plane in the plane of the meridian. The Magnet was then suspended, and observations for Zero Point made.

Position of the Magnet.	Scale Reading.	Means of Reversals.	Mean of all the Reversals, or Zero-Point.
Direct	33.220		
Reversed	23.450	28.335	
Direct	33.205	28.327	28.335
Reversed	23.500	28.352	
Direct	33.190	28.345	

Torsion Circle Reading.	Scale Reading of Declinometer.	Difference between Consecutive Reading of Declinometer.	Torsion Force, Co-efficient.
330.10	35.24		
240.10	34.85	0.39	$1+\frac{F}{H}=1.0004$
60.10	35.45	0 60	
330.10	35.08	0.37	

The Absolute Values of Declination obtained from the Scale Readings of the Large Declinometer thus adjusted were about 5′ too large, thereby showing that something was wrong: either in the suspension or in the suspension threads; but further adjustment was deferred till Monday, the 8th of July.

8th July 1861.—The following observations were made to ascertain the Zero Point and the co-efficient of Torsion :—

Magnet's position.	Scale Reading.	Number of Observations.
Reversed	22.0484	Six.
Direct	35.0183	Six.
	Mean..... 28.5334	

Torsion Circle Reading.	Scale Reading of the Declinometer.	Difference.	Co-efficient of Torsion.	Remarks.
330	35.24			These observations were near enough to what had been obtained yesterday evening.
240	34.85	0 39	$1+\frac{F}{H}=1.00039$	
60	35.45	0.60		
330	35.08	0.37		

The observations made after the adjustment were far from satisfactory, as the results now gave 17′ minutes greater declination than what ought to have been shown by the instrument had it been in perfect adjustment, although the diurnal changes in the Declination and the Curves apparently continued as heretofore. It was therefore resolved by Lieut. Mitcheson not to make any further adjustment at present, but apply a correction to make the Declination proper, until the weather was more favourable for such a delicate operation.

8th August.—Finding the instrument still not at all satisfactory, it was supposed that perhaps the suspension fibres, which were of floss silk, were not suitable, they were therefore removed, and a silver thread substituted in their place. The brass bar, with a feeble Magnet in it, was suspended and brought in the meridian plane by turning the Torsion Circle. The reversals of the brass bar showed that 20·015 of the attached Scale corresponded with the plane of meridian. The feeble Magnet was therefore removed, and the brass bar, without the Magnet, made to give 20·02 in its direct position. The Magnet was afterwards suspended, and observation for Zero Point made:—

Time.	Position of the Magnet.	Scale Reading of the Magnet.	Means of Reversals.	Zero Point.	Time.	Torsion Circle Reading.	Scale Reading.	Difference.	Co-efficient of Torsion.
H. M.									
4.10	Direct	32.815	....		H. M.	° ′			
.32	Reversed ..	22.182	27.4985						
.39	Direct	34.622	28.4020		11.52	274.24	32.800		
.48	Reversed ..	23.092	28.8570						
.55	Direct	33.356	28.2240		.57	364.24	43.720	10.920	$1+\frac{F}{H}=$
5.03	Reversed ..	22.652	28.0040	27.73645					
.08	Direct	32.415	27.5335		12.10	184.24	21.672	22.048	1.02935
.24	Reversed ..	21.954	27.1845						
.38	Direct	33.055	27.5045		,17	274.24	32.715	11.043	
.53	Reversed ..	20.988	27.0215						
6.06	Direct	33.382	27.1350						

Observations were made under this silver suspension for 30 hours, but the results were so very unsatisfactory, that Lieut. Mitcheson decided to return again to the silk suspension.

10th August.—The silver thread was removed, and the finest quality of white floss silk substituted in its place; brass weight suspended, and watched carefully to ascertain the plane of detorsion. The Detorsion Plane was made to coincide with the Magnetic by turning the Torsion Circle. It was allowed to remain in this position for two days in order that any undue twist or strain in the fibres might go off. Reversals of the brass Bar were as follows:—

Direct.....19·97
Reversed .....8·99
Mean..14·48

13*th August.*—The Torsion Circle turned until it gave 14·5 scale reading with the brass bar: the Magnet was then suspended. To ascertain the Zero Point of the scale of the Magnet, five observations were deemed sufficient from scale readings, with the Magnet in its direct and reversed position :—

Position of the Magnet.	Scale Reading of the Magnet.	Mean of Reversals.	Zero Point.
Reversed	24.580		
Direct	32.025	28.3025	
Reversed	24.350	28.1875	
Direct	32.100	28.2250	28.2515
Reversed	24.460	28.2800	
Direct	32.065	28.2625	

Observations for determining the co-efficient of Torsion of the suspension :—

Torsion Circle Reading.	Scale Reading.	Difference.	Co-efficient of Torsion.
341.30	32.065		
251.30	31.405	0.640	$1+\frac{F}{H}=1.00088$
431.30	32.820	1.415	
341.30	32.100	0.720	

The readings of the Scale and the absolute values of Variation obtained therefrom, being deemed by Lieut. Mitcheson quite satisfactory, the adjustment was completed, and the box was closed and secured in the usual manner. The formula for reducing the hourly observations of Large Declinometer after 13th August 1861 was as follows :—

Absolute Declination = (Scale read—28·2515) 6·841 × 1·00088.

Second Adjustment.

At about 10h. Göttingen Mean Time on the 29th of October, the Bar Magnet of Large Declinometer was found lying on the marble slab of the pedestal, the suspension threads having broken in the middle.

30*th October.*—The box of the Instrument was opened, the old suspension threads were removed, and a set of new silken fibres of raw silk, about 40 in number, were substituted in their place. The brass Bar was then suspended thereto to take out any twist that might be in the new suspension. The Bar having settled into a fixed position, the Torsion Circle was turned gradually till it brought the brass Bar to settle nearly in the Magnetic Meridian, after which the Magnet was suspended, and observations for Zero Point of the Scale were made as follows :—

Position of the Magnet.	Scale Reading.	Mean of Reversals.	Mean Zero Point.
Direct	31·503		
Reversed	26·000	28·7515	
Direct	30·585	28·2925	
Reversed	25·840	28·2125	28·2911
Direct	30·383	28·1115	
Reversed	25·787	28·0850	
Direct	30·800	28·2935	

Observations for co-efficient of Torsion were taken as follows :—

Torsion Circle Reading.	Scale Reading.	Difference.	Torsion, Co-efficient.
303.4	30.800		
213.4	28.987	1.903	$1+\frac{F}{H}=1.00258$
33.4	32.980	4.083	
303.4	30.840	2.140	

The absolute values of Variation obtained from the Scale Readings of Large Declination Magnetometer thus adjusted were too small, thereby showing that some Torsion still remained in the silk fibres; so we again suspended the brass bar, to ascertain this point.

31*st October*.—The brass Bar having been suspended and allowed to settle, it was found as conjectured, quite out of the Magnetic plane into which it was brought, by turning the Torsion Circle. On reversing the brass Bar, however, it showed that the silken fibres had slightly shifted from their original binding, as the brass axle of the stirrup, in its direct and reversed positions, did not balance the same; they were therefore untied and fastened to it again in a manner that obviated the discrepancy. The brass Bar was then allowed to rest for a few hours, and afterwards brought into the plane of the meridian, by turning the Torsion Circle.

1*st November*.—On taking readings of the brass Bar, direct and reversed, it was found to be far out of scale in the latter position, and the Torsion Circle was therefore turned until the following readings were obtained :—

Direct.....—3·00
Reversed..... 26·01

Mean.....11·505

The Torsion Circle was again turned until the brass Bar gave the Scale Reading 11·48 in its direct position; after which it was removed and the Magnet suspended.

2*nd November*.—Observations for the Zero Point of the scale were taken as follows :—

Position of the Magnet.	Scale Reading.	Mean of Reversals.	Mean Zero Point.
Direct.....	32.100		
Reversed.....	24.510	28.305	
Direct.....	31.725	28.117	
Reversed.....	24.730	28.227	28.2733
Direct.....	31.710	28.220	
Reversed.....	25.070	28.390	
Direct.....	31.693	28.381	

Co-efficient of Torsion was obtained from the following observations :—

Torsion Circle Reading.	Scale Reading.	Difference.	Torsion, Co-efficient.
° ′			
357.12	31.712		
267.12	29.586	2.126	$1+\frac{F}{H}=$
87.12	33.926	4.340	1.00.28.02
357.12	31.732	2.194	

The Magnet still however for some days gave the absolute Variation about 5·5 less than its normal value. As every precaution had been taken, the only point at fault could be, that the fibres had not all the same equal strain and thereby had again contracted Torsion, they were therefore left to settle.

9th November.—The fibres having now been left eight days to stretch were carefully examined and found all to bear an equal strain; the brass bar was then suspended, and watched carefully to find what angle it made (when settled), with the true meridian. This experiment proved our conjecture to be correct, for the bar was slightly out of position, so we carefully brought it into the meridian in the usual manner. The arm B of the Torsion Circle showed 274·30′. The Large Magnet was then suspended, and the readings shown were all that could be desired; the co-efficient of Torsion was then ascertained and found omit to be .....$1+\frac{F}{H}=1{\cdot}002864$.

The formulæ for reducing the Hourly Observations of Large Magnetometer after 10th November, will be as follows :—

$$D = (f—28{\cdot}2733)\ 6{\cdot}841 \times\ 1{\cdot}0028$$

In this formulæ D denotes the Absolute Variation in Arc, and f the Scale Reading of the Declinometer.

The Box was then closed and the adjustment considered finished.

During the foregoing observations for the adjustment of the Large Declinometer, advantage was taken of the opportunity to test the accuracy of the meridian mark as well as the adjustment connected with the transit, used to observe the Scale Reading, and being all found with inappreciable errors, were deemed satisfactory.

HORIZONTAL FORCE.

The Diurnal Changes of the Earth's Magnetic Horizontal Force have been observed hourly, with two instruments. One, the Large Horizontal Force Magnetometer in the large Observatory, is of the same construction as that which is described in the Report of the Royal Society for 1840. The other is the Small Horizontal Force Magnetometer, in the small Observatory, which is of exactly the same description as the Bifilar, described in Lieutenant Riddle's Magnetical Instructions.

The dimensions and the values of the several co-efficients of Magnets are as follows:—

	Large Horizontal Force.	Small Horizontal Force.
Length of the Magnetic Bar	1·25 feet.	2·99 inches.
Breadth ditto	0·072 „	0·30 „
Thickness ditto	0·021 „	80·0 „
Arc Value of one Division of the Scale	10·933 „	5′53″ „
Form of the Magnet	Solid Bar.	Hollow Cylinder.
Suspension Wires	One silver wire.	Two silk fibres.
The Diameter of the Wheel round which the Suspension Wire passes	0·61465 inches.	Not measured.
The Distance of the Extremities of the Suspension Wire on the Micrometer-headed Screw	0·62985 „	„
Length of the Suspension Wire	30·33 „	„
Weight of the Magnet with all its appendages	7·050 grains.	
Torsion Circle Reading in its adjustment	270°00′	266°35′
t'', or Time of one Vibration when in perfect adjustment.	16·17 seconds.	3·70 seconds.

Adjustment of Small Horizontal Force.

During this year the Small and Large Horizontal Force Magnetometers remained under the adjustments of the preceding year with this exception,—that the Reading Telescope of the Large Instrument was tilted upwards a little at the eye end on the 3rd of July, as the suspension wire had in a slight degree lengthened, which lowered the Scale.

In the Horizontal Force Magnetometer, the Magnetic Bar is forced to a position at right angles to the Magnetic Meridian by turning the arms of the Torsion circle. The upper extremities of the suspension wire move through a greater angle than the lower extremities, consequently the wires are no longer vertical, and the Magnet and its appendages are raised. The Forces producing equilibrium will therefore be,—the suspended weight struggling to attain the lowest point, and the Earth's Magnetic Horizontal component of Intensity acting on the free Magnetism of the Bar.

The Large Horizontal Force Magnetometer has been now in opperation for nearly eighteen years, and it has always indicated an increase of force from year to year. The Intensity calculations are made on the supposition that the increase or decrease of scale readings in both the Magnetometers goes on regularly throughout the year; but this is far from being the case, as these changes are sometimes very irregular. During the year 1860, the change in the scale readings was as follows:—

Large Horizontal Force daily increased by 0·00130 scale divisions.
Small „ „ „ decreased by 0·000182 „

The cause of this change in the scale readings of Horizontal Force is supposed to be owing either to the change in the magnetic moment of the bar, to the change in the magnetic horizontal force of the earth, or from the loss of inherent elastic power of the wire by which the Magnet is suspended.

It is necessary to make the following allowances, in order to find out the true values of the changes in the Horizontal component of the Earth's Magnetic Force :—

1st.—Allowance for the regular loss or increase in the moment of the Bar Magnet of Horizontal Force was equal to—

$$L.\ H.\ F.\ \delta\ t = -0{\cdot}01 \text{ second.}$$
$$S.\ H.\ F.\ \delta\ t = -0{\cdot}00 \quad ,,$$

The mean monthly loss of Vibration of the Small Horizontal Force Magnet suspended with a single thread deduced at each new adjustment is 0·0028 seconds.

2nd.—Allowance for the Temperature of Attached Thermometer of Horizontal Force Magnets is—

$$L.\ H.\ F.\ \delta\ t = 0.18\ (80°-t')$$
$$S.\ H.\ F.\ \delta\ t = 0.19\ (80°-t')$$

In which t' denotes the temperature of Attached Thermometer, and $\delta\ t$ the correction required.

3rd.—Allowance for the Effect of Moisture on the Suspension Wires.—The silver Suspension Wire of the Large Horizontal Force Magnet is supposed not to be affected by atmospheric moisture; but the silk fibres of the Small Horizontal Force are doubtless affected by the changes of moisture; in the calculation of this correction Q' is the effect of a change of 1° Fahr. in the depression of Wet Bulb.

$$Q' = 0{\cdot}13 \text{ depression of W.B.}$$

4th.—Allowance for the Effect of Circumambient Air.—On the supposition that the Circumambient Air was magnetic, and that its magnetism was either inherent or induced by the earth, the correction for the same during the year 1861 was 0·0017 for L. H. F., and 0·0036 for S. H. F.

Reduction of Observations.

The Hourly Observations during the year 1861 were reduced by the following formulæ :—

Large Horizontal Force.

$$\text{Absolute Horizontal Intensity} = 8{\cdot}0569 + 0{\cdot}0164\ \{f + 0{\cdot}18\ (t°-80°)-21{\cdot}00\}$$

Small Horizontal Force.

$$\text{Absolute Horizontal Intensity} = 8{\cdot}0652 + 0{\cdot}008\ \{f + 0{\cdot}19\ (t-80) + 0{\cdot}13W.-15{\cdot}00\}$$

In the results the values were further reduced :—

Large Horizontal Force $X = \delta\ x + D \pm 0{\cdot}0017\ (t'°\text{-}80°)$

Small Horizontal Force $X = \delta\ x + D \pm 0{\cdot}0636\ (t'°\text{-}80°)$

In these formulæ $\delta\ x$ denotes the Horizontal Intensity corrected for the temperature of Attached Thermometer, and for the co-efficient of reduction.

f denotes the scale reading of Horizontal Force uncorrected.

t denotes the temperature of Attached Thermometer.

W denotes the depression of Wet-Bulb Thermometer.

X denotes the Horizontal Intensity, corrected for all corrections.

D denotes the daily correction for Instrumental error.

t' denotes the temperature of External and Free Air.

The method adopted in this Observatory, which gives the changes of the Earth's Magnetic Force in Absolute Measure, differs from all the other Observatories, as they give the changes in parts of the whole Horizontal Force.

Absolute Determination of Horizontal Force.

The Instrument used for the purpose of Deflections is the Small Declinometer in the small Magnetic Observatory; and that which is used for the Vibrations is another Small Declinometer, fixed in the north-eastern angle of the same Observatory. The lengths of the Deflecting and Deflected cylindrical Magnets are respectively 3 and 2·46 inches.

The Determinations were made once a week, at about 20h. Göttingen Mean Solar Time, or Noon Bombay Mean Time. The time occupied in making these Observations on any day was about one hour. During the middle time of absolute Determinations, the Small and Large Horizontal Force Magnetometers were observed and duly registered.

The Absolute Value of Horizontal Force, obtained in English Units, has been calculated by the formulæ—

$$X = \frac{\pi}{t}\sqrt{\frac{2}{1+k}\,\frac{K}{R^3 \tan u}} \qquad LM = XR^3 \tan u\,\frac{1+k}{4}$$

The Moment of Inertia of the cylindrical Magnet (A. 51), as determined in December 1855, was 2·250. In the actual calculations of Horizontal Intensity of this year it was used without any alteration.

Probable error of an Observation of Absolute Determination of Horizontal Force, as explained in the Volume of 1848, is about 0·008.

TABLE II.—*Showing the Mean Monthly Values of Horizontal Force, as obtained from the Deflection Observations in* 1861.

Months. 1861.	Mean Date.	L. M.	X. Or Horizontal Intensity in En. Units.	Corresponding Reading of Large Horizontal Force.		Corresponding Reading of Small Horizontal Force.		Torsion Force.		Number of Observations.
				Scale Reading.	Thermometer.	Scale Reading.	Thermometer.	A·51	I·11	
January	13	0·0825	8·049	21·05	79.6	14·36	74.3	1.0023	1.0019	3
February	12	·0824	·055	21·60	79.8	15 05	75.9	1.0023	1.0019	4
March	17	·0824	·053	21·24	81.8	15·24	78 7	1.0023	1.0019	4
April	16	·0823	·057	21·09	85.9	15·72	83.4	1.0021	1.0017	4
May	15	·0822	·057	20·62	87.8	15·22	84.9	1.0022	1.0015	5
June	15	·0820	·086	20.41	84.7	15·65	81.9	1.0017	1.0013	4
July	12	·0818	·095	20.75	84.0	15·98	80.9	1.0017	1.0013	1
August	13	·0819	·079	20.85	82.2	16·14	79.6	1.0017	1.0013	2
September	17	·0821	·072	20.70	83.5	16·04	80.6	1.0018	1.0014	4
October	15	·0820	·074	20.43	83.7	15·27	80.0	1.0018	1.0014	4
November	18	·0822	·076	21.21	81.8	15·19	76.3	1.0021	1.0014	4
December	17	·0822	·060	21.26	79.8	14·30	74.0	1.0023	1.0017	4
Annual Mean	15	0·0822	8·068	20.93	82.9	15·35	79.2	1.0020	1.0015	4

The Small Horizontal Force Magnetometer serves only as a check on the Observations of the Large Horizontal Force Magnetometer; and as the small Instrument works under various disadvantages, no other results have been calculated from its Scale Values, except the Monthly Means.

TABLE III.—*Showing the Horizontal Force of the Earth, calculated from the Scale Readings of Small Horizontal Force Magnetometer during the Year* 1861.

Months.	Mean Monthly Horizontal Force obtained from S. H. F.	Excess above the Mean of Large H. F.	Months.	Mean Monthly Horizontal Force obtained from S. H. F.	Excess above the Mean of Large H. F.
	En. Un.			En. Um.	
January	8.0440	+0.0002	July.....	8·0642	—0·0189
February.....	.0442	+0.0050	August.....	·0626	—0·0016
March	.0457	+0.0120	September	·0513	—0·0065
April	.0552	+0.0195	October	·0597	—0·0091
May:.....	.0571	+0.0159	November	·0473	—0·0107
June.....	.0660	—0.0022	December.....	·0390	—0·0179

It appears from this Table, that the values of Horizontal Force, obtained from the Scale Reading of Small Horizontal Force Magnetometer, were uncertain within about 0·019 English Units.

The Annual Mean was 8·0534, which was about 0·0139 English Units higher than the Mean of the last four years.

VERTICAL FORCE MAGNETOMETER.

This Instrument is in use for nearly twelve years.

In the centre of a marble slab, 18 inches long by 11 inches broad, is fixed a copper frame-work, surmounted by two agate planes, upon which the knife-edge axle of the Bar Magnet rests. The dimensions of the Magnet Bar are as follows:—

Length.....	15·00	inches.
Breadth.....	1·25	„
Thickness	0·25	„

Temperature Correction.—The Temperature effect is assumed to be 0·03 in Scale Divisions for one degree of Fahr.; this value was used during the year 1861 without any alteration.

Centre of Gravity.—The best position for keeping the handle of Y supports is between 30° and 50° south, as in that position it seems to produce no changeable effect either on the Scale Readings or on the times of Vibration.

Time of Vibration.—The time of Vibration in the Horizontal Plane is assumed to be 13·00 seconds; the time of Vibration in the Vertical Plane has been carefully observed in each month of the year 1861.

TABLE IV.—*Showing the Times of Vibration of Vertical Force Magnetometer during the Year* 1861.

Months and Dates.	Time of one Vibration in Vertical Plane.	Months and Dates.	Time of one Vibration in Vertical Plane.	Months and Dates.	Time of one Vibration in Vertical Plane.
	s		s		s
January	11 07	May.....	11.25	September	6·45
February.....	10.94	June.....	11.05	October	6·20
March	11.14	July.....	8.20	November	4.45
April	11.08	August.....	6.65	December	11.10

It was thought necessary to adjust the instrument about the month of July, the time of Vibration in the Vertical Plane was much lower than its normal value. It was adjusted in the month of August, but the results were not satisfactory, owing to the extreme dampness of the air; the adjustment was therefore deferred, and on the 5th of December 1861 was satisfactorily obtained.

Occasional Adjustment.

6th August.—The box of the Vertical Force Magnet removed, the needle rubbed over with salad oil, and cleaned of corrosion.

11·10 Scale Reading before adjustment.	14·03 Scale Reading after adjustment.
85·0 Thermometer ditto.	86·0 Thermometer ditto.

5th December.—The Vertical Force Magnetometer was readjusted, as the time of one Vibration in the Vertical Plane was not considered satisfactory.

11·18 Scale Reading before adjustment.	24·75 Scale Reading after adjustment.
81·7 Attached Thermometer ditto.	81·0 Attached Thermometer ditto.

Formulæ for reducing Hourly Observations.

From 1st January to 6th August.. $Y = 3{\cdot}0491 + 0{\cdot}011\ \{f + 0{\cdot}03\ (t°-80°) - 40{\cdot}00\}$
From 6th August to 5th December $Y = 2{\cdot}7455 + 0{\cdot}011\ \{f + 0{\cdot}03\ (t-80) - 15{\cdot}00\}$
After 5th December ..... $Y = 2{\cdot}7007 + 0{\cdot}011\ \{f - 0{\cdot}03\ (t-80) - 26{\cdot}00\}$

THE INCLINATION.

The Dip Circle, which has now been in use for eight years, was observed bi-weekly throughout the year 1861. It is made by Barrow, of London, and is similar in construction to Gambey's Circle.

The construction of the instrument, and the method of registering the Observations, are given in the Introduction to the Volume for 1852, under the head "Inclination."

The Mean Annual Observed Dip in 1860 was equal to 19°3′ 21″; this value was reduced from 100 observations, each observation being the mean of sixteen observations of the Magnetic Dip Needle under different positions.

The Hourly Dip in Simple Hourly Observations was deduced from the absolute values of Horizontal and Vertical Intensities by the formulæ $\tan \theta = \frac{r}{x}$; but in the result the mean daily, hourly, and monthly values of calculated dip are made to come near enough to the value of Observed Dip.

TOTAL INTENSITY.

This was obtained by means of the Horizontal Intensity, calculated from the Scale Readings of the Large Horizontal Force Magnetometer, and the Dip deduced from the Vertical and Horizontal Intensities by the formula—

$$R = X \sec. \theta$$

BOMBAY GOVERNMENT OBSERVATORY.

MAGNETICAL OBSERVATIONS.

1861.

DAILY OBSERVATIONS, FROM 1ST TO 3RD JANUARY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
JAN. 1ST-Noon.	25·600	21.39	85°0	14.73	84°2	8.0520	2.7931	19°08′4	B	4 12 p. m.
1	24.914	21.12	84.5	14.70	84.1	.0475	.7928	19.08.9	B	5 12 ,,
2	24.776	20.81	83.1	14.80	83.3	.0425	.7939	19.09.9	B	6 12 ,,
3	25.189	20.58	82.4	14.78	82.8	.0387	.7937	19.10.4	B	7 12 ,,
4	25.189	20.36	81.7	14.75	82.3	.0351	.7934	19.10.7	B	8 12 ,,
5	25.051	20.36	81.0	14.64	82.0	.0351	.7921	19.10.2	C	9 12 ,,
6	24.846	20.57	80.8	14.75	81.7	.0386	.7934	19.10.2	C	10 12 ,,
7	24.983	20.62	80.2	14.75	81.5	.0393	.7934	19.10.2	C	11 12 ,,
8	24.159	21.00	80.0	14.74	81.2	.0456	.7932	19.09.2	C	Midnight.
9	24.502	20.95	80.0	14.72	80.5	.0447	.7930	19.09.3	R	1 12 a. m.
10	24.502	21.04	79.8	14.60	80.1	.0463	.7917	19.08.7	R	2 12 ,,
11	24.021	20.91	79.6	14.59	79.6	.0441	.7916	19.08.9	R	3 12 ,,
12	24.295	21.00	79.3	14.56	80.0	.0456	.7913	19.08.5	R	4 12 ,,
13	23.953	21.04	79.1	14.29	79.8	.0463	.7883	19.07.3	B	5 12 ,,
14	23.677	21.09	79.0	14.29	79.5	.0471	.7883	19.07.2	B	6 12 ,,
15	25.463	21.23	78.8	14.34	79.5	.0494	.7888	19.07.1	B	7 12 ,,
16	26.629	21.33	79.2	14.37	79.5	.0510	.7892	19.07.0	B	8 12 ,,
17	26·904	21.71	80.2	14.00	80·0	.0573	.7851	19.04.7	C	9 12 ,,
18	25.737	21.99	81.6	13·70	80.6	.0618	.7818	19.02.7	C	10 12 ,,
19	24.295	22.15	82.8	13.65	81.6	.0644	.7813	19.02.3	C	11 12 ,,
20	24·159	21.92	84.0	13.84	83.0	.0606	.7833	19.03.4	C	Noon.
21	24·363	21.75	84·6	14.06	83.0	.0579	.7858	19.04.9	R	1 12 p. m.
22	25.257	21.62	85.4	14.35	83.5	.0557	.7890	19.06.3	R	2 12 ,,
23	26.766	21.50	85.5	14.36	84.0	.0538	.7691	19.06.6	R	3 12 ,,
JAN. 2ND-Noon.	26.561	21.35	85.0	14.22	84.0	.0513	.7886	19.06.8	R	4 12 ,,
1	24.914	21.08	83.8	14.02	84.0	.0469	.7853	19.06.1	B	5 12 ,,
2	24.846	21.05	82.8	14.09	83.1	.0464	.7861	19.06.4	B	6 12 ,,
3	25.189	20.85	82.2	14.10	82.6	.0431	.7862	19.06.8	B	7 12 ,,
4	25.257	20.67	81.5	14.08	82.0	.0402	.7860	19.07.2	B	8 12 ,,
5	25.463	20·67	80.5	14.04	81.2	.0402	.7855	19.07.1	C	9 12 ,,
6	24.846	20.50	80.0	14.03	81.0	.0374	.7864	19.07.4	C	10 12 ,,
7	24.846	20.61	80.2	14.13	81.0	.0392	.7865	19.07.5	C	11 12 ,,
8	24.983	20.58	80.0	14·17	80.6	.0387	.7870	19.07.7	C	Midnight.
9	25.326	20.78	79.8	14.20	80.0	.0420	.7873	19.07.4	R	1 12 a. m.
10	25.669	20.51	79.6	14.20	80.0	.0376	.7873	19.08.0	R	2 12 ,,
11	25.737	20.54	79.3	14·20	79.9	.0381	.7873	19.08.0	R	3 12 ,,
12	26.012	20.46	79.0	11.69	79.5	.0368	.7597	18.57.4	R	4 12 ,,
13	25.600	20.44	78.5	11.70	79.2	.0365	.7598	18.57.4	B	5 12 ,,
14	25.051	20.54	78.5	11.69	79.0	.0381	.7597	18.57.3	B	6 12 ,,
15	25.394	20.45	78.5	11.82	79.0	.0366	.7611	18.57.9	B	7 12 ,,
16	25.189	20.35	78.9	11.72	79.0	.0349	.7600	18.57.7	B	8 12 ,,
17	25.737	20.43	79.9	11.49	79.5	.0363	.7575	18.56.6	C	9 12 ,,
18	24.846	20.82	81.2	11.10	80.0	.0426	.7532	18.54.0	C	10 12 ,,
19	23.609	21·07	82.9	11.03	80.9	.0468	.7524	18.53.2	C	11 12 ,,
20	23.816	21.07	84.0	11.33	82.4	.0468	.7557	18.54.6	C	Noon.
21	24.159	21.00	84.7	11.51	83.0	.0456	.7577	18.55.4	R	1 12 p. m.
22	24.846	20.88	84.9	11.60	83.4	.0436	.7587	18.56.1	R	2 12 ,,
23	25.394	20.87	85.2	11.62	84.0	.0435	.7589	18.56.1	R	3 12 ,,
JAN. 3RD-Noon.	25.394	20·88	84.9	11.62	84.0	.0436	.7589	18.56.1	R	4 12 ,,
1	25.326	20.71	83.5	11.63	83.6	.0409	.7590	18.56.6	B	5 12 ,,
2	25.326	20.66	82.5	11.64	83.0	.0400	.7591	18.56.7	B	6 12 ,,
3	25.737	20.53	82.3	11.68	82.6	.0379	.7596	18.57.2	B	7 12 ,,
4	25.532	20.53	82.1	11.65	82.4	.0379	.7593	18.57.1	B	8 12 ,,
5	25.257	20.47	81.4	11.56	82.0	.0370	.7586	18.57.0	C	9 12 ,,
6	25.257	20·38	80·3	11.52	81.3	.0354	.7578	18.56.8	C	10 12 ,,
7	25.051	20·40	80·0	11.48	81.0	.0358	.7574	18.56.5	C	11 12 ,,
8	24.846	20.50	80.0	11.60	80.7	.0374	.7587	18.57.0	C	Midnight.
9	24.983	20.48	79.6	11.60	80.0	.0371	.7587	18.57.0	R	1 12 a. m.
10	25.120	20.53	79.6	11.90	80.0	.0379	.7598	18.57.3	R	2 12 ,,
11	25.532	20.49	79.1	11.64	79.7	.0373	.7591	18.57.1	R	3 12 ,,

DAILY OBSERVATIONS, FROM 3RD TO 6TH JANUARY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
JAN. 3RD—12	25'051	20.55	78°8	11.58	79°4	8.0382	2.7585	18°56'8	R	4 12 a. m.
13	24.983	20.54	78·3	11.68	79.2	.0381	.7596	18.57.2	B	5 12 „
14	25.532	20.48	77·0	11.73	78.3	.0371	.7601	18.57.5	B	6 12 „
15	25.875	20.41	76.6	11.74	78.0	.0360	.7602	18.57.6	B	7 12 „
16	26.629	20.65	78 0	11.76	78.1	·0398	.7605	18.57.3	B	8 12 „
17	26.218	20.92	79.3	11.50	78.7	.0442	.7576	18.55.6	C	9 12 „
18	25.257	21.03	80.0	11.29	79.0	.0461	.7553	18.54.5	C	10 12 „
19	24·570	21.11	81.4	11.12	80·0	.0474	.7534	18.53.6	C	11 12 „
20	24.502	21.13	82.8	11.08	81.0	.0477	.7530	18.53.4	C	Noon.
21	24.707	21.04	83·9	11.37	82.4	.0463	.7562	18.54.7	R	1 12 p. m.
22	25.737	21.05	84·7	11.51	83.5	.0464	.7577	18·55.4	R	2 12 „
23	25.532	21.14	84.8	11.41	83.6	.0479	.7566	18.54.7	R	3 12 „
JAN. 4TH—Noon.	25.189	21.03	84.6	11·43	83.7	.0461	.7568	18.55·0	R	4 12 „
1	25.189	20.96	83.6	11·57	83.9	.0449	.7584	18.55.7	B	5 12 „
2	25.120	20.75	82.6	11.59	82.0	.0415	·7536	18·56.2	B	6 12 „
3	25.189	20.82	82.1	11.58	82.5	.0426	.7585	18.56.1	B	7 12 „
4	25.120	20.46	81.6	11.56	82.h	.0368	.7583	18·56.8	B	8 12 „
5	24.914	20.17	81.2	11.55	81·6	.0320	.7582	18.57·3	C	9 12 „
6	24.914	20.26	80.9	11.60	81.2	.0335	·7587	18.57.4	C	10 12 „
7	25.120	20.35	80.8	11.73	81.0	.0349	.7601	18.57.7	C	11 12 „
8	24.914	20.34	80.2	11·67	80.7	.0348	.7595	18·57·5	C	Midnight.
9	25.051	20.40	80.0	11.70	80.0	·0358	·7598	18.57.5	R	1 12 a. m.
10	24.846	20.41	79.6	11.60	80.0	·0360	.7587	18·57.1	R	2 12 „
11	25.051	20.42	79.0	11.69	79.8	.0361	.7597	18.57·5	R	3 12 „
12	25.051	20.39	78.6	11.67	79.0	.0356	.7595	18·57·4	R	4 12 „
13	25.189	20.49	78.3	11.52	79.0	.0373	.7578	18.56·6	B	5 12 „
14	24.846	20.44	78.1	11.71	78.6	.0365	.7599	18.57·4	B	6 12 „
15	25.394	20·23	77.4	11.77	78.2	.0330	.7605	18.58.2	B	7 12 „
16	26.698	20.37	77.3	11.89	78.0	.0353	.7619	18.58.4	B	8 12 „
17	27.245	20.55	78.6	11.81	78.3	·0382	.7611	18.57.8	C	9 12 „
18	26.218	21.00	80.0	11.46	78.8	·0456	.7572	18.55.1	C	10 12 „
19	24.432	21.17	81.1	11.34	79.4	.0484	.7558	18.54.5	C	11 12 „
20	24.363	21.34	82·5	11.56	80.6	.0512	.7583	18.55·0	C	Noon.
21	24.246	21.03	82.7	12.03	81.0	.0461	.7634	18·57.6	R	1 12 p. m.
22	24.502	20.90	84.0	12.00	82.0	.0439	.7631	18.57.8	R	2 12 „
23	24.914	20.77	84·4	12.23	82.7	.0419	·7656	18.59·0	R	3 12 „
JAN. 6TH—Noon.	26.080	21·45	82.6	11.96	82.0	.0530	.7627	18.56.5	B	4 12 „
1	24.983	21.48	81.3	11·85	81.5	.0535	.7615	18.55.9	B	5 12 „
2	24.707	21.25	80·5	11.85	81.0	.0497	·7615	18.56.4	B	6 12 „
3	25.120	21.08	80.2	11.77	80·6	.0469	.7606	18.56.5	B	7 12 „
4	24.776	21.23	80·1	11.79	80.4	·0495	.7608	18.56.1	B	8 12 „
5	24.363	20·98	79.5	11.87	80.4	.0452	.7617	18.57.1	C	9 12 „
6	24.502	20.16	79.1	12.00	80·0	.0318	.7631	18.59·3	C	10 12 „
7	26.492	19.79	79·0	11.99	79·8	.0258	.7630	19.00·1	C	11 12 „
8	25.532	19·59	78.3	11.83	79.5	.0225	.7612	18.59.7	C	Midnight.
9	24·914	19.67	77.6	11.77	79.0	.0240	.7608	18.59.5	R	1 12 a. m.
10	24·295	19.99	78.0	11.70	79.0	.0290	.7598	18.58.4	R	2 12 „
11	24.295	20.08	78.5	11.77	79.0	.0305	.7606	18.58.5	R	3 12 „
12	24·846	20.09	78·0	11.72	78.5	.0307	.7600	18.58.3	R	4 12 „
13	25.257	20·27	77.6	11.70	78.4	.0307	.7598	18.57.8	B	5 12 „
14	25·669	20.18	77.4	11.85	78.3	.0321	.7615	18.58.7	B	6 12 „
15	25.669	20.12	77.6	11.84	78.1	.0311	.7613	18.58.8	B	7 12 „
16	26.904	20.09	78.0	11.80	78.1	.0307	.7611	18.58.7	B	8 12 „
17	27.590	20.23	78.5	11.61	78.6	.0330	.7588	18.57.5	C	9 12 „
18	25·600	20.59	79.4	11.11	78.8	.0389	.7533	18.54.6	C	10 12 „
19	23.953	20·80	80.3	11.17	79.0	.0423	·7540	18.54.5	C	11 12 „
20	24.432	20.88	80.7	11.53	79.7	.0436	.7577	18·55.7	C	Noon.
21	25.051	20.88	81.1	11.80	80.0	·0436	.7609	18.56·9	R	1 12 p. m.
22	25·737	20.78	81.5	11.82	80.5	.0420	.7611	18.57.2	R	2 12 „
23	26.218	20.72	81·7	11.89	80.9	.0410	.7619	18·57.7	R	3 12 „

On the 3rd, at about 19h. 50m., Dip as obtained by Observation was 19°08'8.
On the 4th, at about 20h., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 7TH TO 9TH JANUARY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
JAN. 7TH-Noon.	26'355	20.55	81°4	11.83	81°0	8.0382	2.7612	18°57'8	R	4 12 p. m.
1	25.737	20.43	80.3	11.77	80.5	.0365	.7606	18.57.7	B	5 12 ,,
2	25.463	20.40	79.5	11.80	80.1	.0358	.7609	18.57.9	B	6 12 ,,
3	25.806	20.21	79.2	11.80	80.0	.0327	.7609	18.58.3	B	7 12 ,,
4	25.669	20.25	78.9	11.61	79.6	.0333	.7588	18.57.5	B	8 12 ,,
5	25.463	20.33	78.8	11.62	79.4	.0346	.7589	18.57.2	C	9 12 ,,
6	24.295	20.28	78.5	11.67	79.0	.0338	.7595	18.57.7	C	10 12 ,,
7	24.295	20.44	78.3	11.67	78.9	.0365	.7595	18.57.3	C	11 12 ,,
8	24.226	20.51	78.0	11.66	78.6	.0376	.7594	18.57.1	C	Midnight.
9	25.051	20.41	77.4	11.64	78.0	.0360	.7591	18.57.2	R	1 12 a. m.
10	24.846	20.43	77.0	11.63	77.5	.0363	.7590	18.57.2	R	2 12 ,,
11	24.846	20.44	76.6	11.71	77.0	.0365	.7599	18.57.4	R	3 12 ,,
12	25.051	20.52	76.8	11.81	77.0	.0377	.7610	18.57.8	R	4 12 ,,
13	24.846	20.53	76.3	11.76	77.0	.0379	.7605	18.57.6	B	5 12 ,,
14	25.463	20.60	76.1	11.75	76.5	.0390	.7604	18.57.3	B	6 12 ,,
15	25.532	20.57	76.1	11.90	76.5	.0386	.7620	18.58.0	B	7 12 ,,
16	26.629	20.52	76.5	11.90	76.5	.0377	.7620	18.58.2	B	8 12 ,,
17	26.904	20.83	77.7	11.61	77.0	.0428	.7588	18.56.2	C	9 12 ,,
18	25.875	21.07	79.0	11.43	77.1	.0468	.7568	18.54.9	C	10 12 ,,
19	24.846	21.15	80.2	11.43	78.4	.0480	.7568	18.54.7	C	11 12 ,,
20	24.846	21.26	81.5	11.48	79.2	.0499	.7574	18.54.7	C	Noon.
21	25.189	21.18	81.7	11.60	79.9	.0485	.7587	18.55.4	R	1 12 p. m.
22	25.669	21.04	81.5	11.60	80.0	.0463	.7587	18.55.8	R	2 12 ,,
23	25.600	20.90	81.6	11.67	80.5	.0439	.7595	18.56.4	R	3 12 ,,
,,										
JAN. 8TH-Noon.	26.080	20.73	81.0	11.72	80.5	.0412	.7600	18.57.0	R	4 12 ,,
1	25.669	20.86	80.3	11.66	80.2	.0433	.7594	18.56.3	B	5 12 ,,
2	25.189	20.68	79.2	11.79	79.6	.0403	.7608	18.57.4	B	6 12 ,,
3	25.669	20.45	78.9	11.76	79.5	.0366	.7602	18.57.5	B	7 12 ,,
4	25.669	20.45	78.5	11.69	79.1	.0366	.7597	18.57.4	B	8 12 ,,
5	25.189	20.49	78.0	11.72	78.8	.0373	.7600	18.57.5	C	9 12 ,,
6	25.326	20.45	77.9	11.73	78.4	.0366	.7601	18.57.5	C	10 12 ,,
7	25.189	20.52	77.6	11.74	78.0	.0377	.7602	18.57.4	C	11 12 ,,
8	24.983	20.51	77.3	11.77	77.8	.0376	.7606	18.57.6	C	Midnight.
9	25.051	20.56	77.0	11.68	77.5	.0384	.7597	18.57.3	R	1 12 a. m.
10	24.846	20.64	76.9	11.71	77.0	.0397	.7599	18.57.0	R	2 12 ,,
11	25.189	20.57	76.5	11.31	77.0	.0386	.7555	18.55.5	R	3 12 ,,
12	24.432	20.68	76.4	11.20	76.5	.0403	.7543	18.54.9	R	4 12 ,,
13	24.502	20.80	76.1	11.21	76.3	.0423	.7544	18.54.6	B	5 12 ,,
14	24.707	20.71	75.6	11.24	76.3	.0409	.7547	18.55.0	B	6 12 ,,
15	24.914	20.74	75.5	11.36	76.1	.0414	.7561	18.55.4	B	7 12 ,,
16	26.149	21.01	75.6	11.43	76.0	.0458	.7568	18.55.0	B	8 12 ,,
17	27.178	21.08	76.0	11.47	75.8	.0469	.7573	18.55.1	C	9 12 ,,
18	25.532	21.32	76.6	11.06	76.0	.0508	.7528	18.52.9	C	10 12 ,,
19	24.363	21.83	77.6	11.00	76.6	.0592	.7521	18.51.5	C	11 12 ,,
20	24.639	21.42	78.0	11.29	77.0	.0525	.7553	18.53.6	C	Noon.
21	24.639	21.37	79.6	11.29	78.0	.0517	.7553	18.53.7	R	1 12 p. m.
22	24.914	21.17	79.7	11.27	78.3	.0484	.7551	18.54.2	R	2 12 ,,
23	24.846	21.04	79.5	11.20	78.4	.0463	.7543	18.54.1	R	3 12 ,,
,,										
JAN. 9TH-Noon.	25.189	21.25	79.3	11.16	78.5	.0497	.7539	18.53.4	R	4 12 ,,
1	24.983	21.23	78.6	11.95	78.4	.0494	.7636	18.56.9	B	5 12 ,,
2	25.051	20.82	77.9	12.04	78.0	.0426	.7635	18.58.1	B	6 12 ,,
3	25.737	20.54	77.4	12.08	77.5	.0381	.7640	18.58.9	B	7 12 ,,
4	25.600	20.47	77.1	12.00	77.2	.0370	.7631	18.58.7	B	8 12 ,,
5	25.051	20.58	76.8	12.03	77.0	.0387	.7634	18.58.5	C	9 12 ,,
6	25.257	20.55	76.2	12.10	76.6	.0382	.7642	18.59.0	C	10 12 ,,
7	24.914	20.41	75.6	12.14	76.4	.0360	.7646	18.59.4	C	11 12 ,,
8	24.983	20.48	75.2	12.03	76.0	.0371	.7634	18.58.8	C	Midnight.
9	24.502	20.59	75.0	12.06	75.4	.0389	.7638	18.58.7	R	1 12 a. m.
10	24.159	20.48	74.6	11.65	75.0	.0371	.7593	18.57.2	R	2 12 ,,
11	23.953	20.57	74.0	11.60	74.9	.0384	.7587	18.56.9	R	3 12 ,,

On the 7th, at about 19h. 55m., Dip as obtained by Observation was 19°05'0.

DAILY OBSERVATIONS, FROM 9TH TO 11TH JANUARY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observer.	Date. Bombay Civil Time. 1861.
h.										h. m.
Jan. 9th—12	24°295	20.39	73°8	11.74	74°5	8.0356	2.7602	18°57′6	R	4 12 a. m.
13	24.159	20.57	73·1	11.62	74.0	.0386	.7589	18.56.7	B	5 12 „
14	24.159	20.49	72·8	11.63	73·6	.0373	.7590	18.67.1	B	6 12 „
15	23.677	20.77	72.9	11.66	73·5	.0419	.7594	18.56.5	B	7 12 „
16	25.189	20.89	73.2	11.76	73.5	.0438	.7605	18.56.8	B	8 12 „
17	26.286	21.16	73.8	11.79	73.8	.0482	.7608	18.56.4	C	9 12 „
18	25.532	21.51	74.2	11.52	74.0	.0540	.7578	18.54.4	C	10 12 „
19	24·846	21.93	76.0	11.48	74.8	.0608	.7574	18.53.3	C	11 12 „
20	24.776	21.85	77.8	11.63	75·9	.0595	.7590	18.54.1	C	Noon.
21	24.846	21.57	78.7	11.74	76.4	.0550	.7602	18.55.1	R	1 12 p. m.
22	25.257	21.39	79.3	11.56	77.0	.0530	.7583	18.54.7	R	2 12 „
23	25.737	21.29	79.5	11·84	78.0	.0504	.7613	18.56.3	R	3 12 „
Jan. 10th-Noon.	25.875	21.14	79.8	11.26	78.5	.0479	.7550	18.54.2	R	4 12 „
1	24.983	20.98	79.3	11.59	78.9	.0452	.7586	18.55.8	B	5 12 „
2	24.846	20.85	78.5	11.73	78.4	.0431	.7601	18.56.7	B	6 12 „
3	25.189	20.81	78.1	11.78	78.1	.0425	.7607	18.57.0	B	7 12 „
4	25.189	20.75	77.9	11.78	77.8	.0415	.7607	18.57.1	B	8 12 „
5	25.051	20.69	77.7	11.73	77.8	.0405	.7601	18.57.0	C	9 12 „
6	25.120	20.58	77.1	11.77	77.4	.0387	.7606	18.57.5	C	10 12 „
7	25.189	20.55	76.1	11.81	77.0	.0382	.7610	18.57.8	C	11 12 „
8	25.326	20.60	75.9	11.69	76.3	.0390	.7597	18.57.1	C	Midnight.
9	25.189	20.74	75.8	11.67	75·8	.0414	.7595	18.56.8	R	1 12 a. m.
10	24·846	20.63	74.6	11.65	75.0	.0395	.7593	18.56.8	R	2 12 „
11	24.846	20.62	74.0	11.65	75.0	.0393	.7593	18.56.9	R	3 12 „
12	24.846	20.83	74.0	11.69	74.8	.0428	.7597	18.56.6	R	4 12 „
13	24.502	20.83	73.4	11.63	74.3	.0428	.7590	18.56.3	B	5 12 „
14	23.816	20.93	72.9	11.47	73.9	.0444	.7573	18.55.5	B	6 12 „
15	24.363	20.80	72.5	11.66	73.5	.0423	.7594	18.56.5	B	7 12 „
16	25.189	21.23	73.8	11.66	73.7	.0494	.7594	18.55.6	B	8 12 „
17	26.080	21.51	74.2	11.62	74.0	.0540	.7589	18.54.8	C	9 12 „
18	25.669	22.04	75.4	11.33	74.3	.0627	.7557	18.52.5	C	10 12 „
19	24.846	22.15	76.0	11.35	75.0	.0644	.7560	18.52.4	C	11 12 „
20	24.432	22.01	77.0	11.46	76.0	.0622	.7572	18.53.0	C	Noon.
21	24.914	21.79	78.4	11.50	76.5	.0586	.7576	18.53.6	R	1 12 p. m.
22	25.394	21.49	79.6	11.59	77.8	.0537	.7586	18.54.7	R	2 12 „
23	25.532	21.35	80.7	11.47	78.9	.0513	.5773	18.54.6	R	3 12 „
Jan. 11th-Noon.	25.257	21.22	80.8	11.39	79.7	.0492	.7564	18.54.4	R	4 12 „
1	24.914	21.19	80.3	11.30	80.0	.0487	.7554	18.54.1	B	5 12 „
2	24.707	21.05	79.5	11.37	79.5	.0464	.7562	18.54.7	B	6 12 „
3	25.120	20.91	78.9	11.51	78.8	.0441	.7577	18.55.7	B	7 12 „
4	25.189	20.71	78.2	11.47	78.4	.0409	.7573	18.55.9	B	8 12 „
5	25.120	20.75	77.5	11.46	78.0	.0415	.7572	18.55.6	C	9 12 „
6	25.120	20.60	77.0	11.47	77.2	.0390	.7573	18.56.1	C	10 12 „
7	24.846	20.63	76.3	11.49	77.0	.0395	.7575	18.56.1	C	11 12 „
8	25.189	20.66	75.6	11.57	76.4	.0400	.7584	18.56.4	C	Midnight.
9	24.639	20.69	75.5	11.53	76.0	.0405	.7579	18.56.1	R	1 12 a. m.
10	24.639	20.69	75.2	11.57	75.5	.0405	.7584	18.56.3	R	2 12 „
11	24.363	20.69	75.2	11.56	75.3	.0405	.7583	18.56.3	R	3 12 „
12	24.502	20.64	75.2	11.56	75.3	.0397	.7583	18.56.4	R	4 12 „
13	23.816	20.76	75.0	11.55	75.1	.0417	.7582	18.56·0	B	5 12 „
14	23.540	20.80	74.7	11.57	75.1	.0423	.7584	18.56.1	B	6 12 „
15	23.404	20.89	74.5	11.61	75.0	.0438	.7588	18.56.1	B	7 12 „
16	23.884	21.05	75.0	11·63	75.1	.0464	.7590	18.55.9	B	8 12 „
17	24.432	21.43	76.0	11.45	75.4	.0527	.7571	18.54.2	C	9 12 „
18	25.051	21.57	77.6	11.33	76.0	.0550	.7557	18.53.5	C	10 12 „
19	24·021	22.05	79.4	11.17	77.0	.0628	.7540	18.51.8	C	11 12 „
20	24.707	21.69	81.0	11.43	78.4	.0569	.7568	18.53.6	C	Noon.
21	25.051	21.73	82.0	11.47	79.0	.0576	.7573	18.53.7	R	1 12 p. m.
22	25.326	21.70	82.5	11.70	80.0	.0571	.7598	18.54.8	R	2 12 „
23	25.875	21.15	82.5	11.83	80.9	.0480	.7612	18.56.5	R	3 12 „

On the 10th, at about 19h. 45m., Dip as obtained by Observation was 19°10′6.

DAILY OBSERVATIONS, FROM 13TH TO 15TH JANUARY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Jan. 13th-Noon.	26·972	21.14	83°0	11.56	82°0	8.0477	2.7583	18°55′4	B	4 12 p. m.
1	25.669	20.90	82.2	11.35	81.6	.0439	.7559	18.55.0	B	5 12 „
2	25.669	20.74	81.1	11.48	81.1	.0414	.7575	18.56.0	B	6 12 „
3	25.532	20.36	80·2	11.52	80.5	.0351	.7578	18.56.8	B	7 12 „
4	25.394	20·08	79.6	11.45	80.0	·0304	.7571	18·57.2	B	8 12 „
5	25.669	20.18	78.8	11.63	79.6	.0320	.7590	18.57.7	C	9 12 „
6	25.737	20.31	78.0	11.62	79.0	.0343	.7589	18·57.4	C	10 12 „
7	25.532	20.30	77.5	11.57	78.4	.0341	.7584	18.57.2	C	11 12 „
8	24.846	20.38	77.0	11.55	78.2	.0354	.7582	18·56·9	C	Midnight.
9	24.846	20.56	77.0	11.54	77.9	.0384	.7580	18.56.6	R	1 12 a. m.
10	24.639	20.56	77.2	11.13	77.7	.0384	.7535	18.54.9	R	2 12 „
11	24.776	20.62	76.8	11·12	77.4	.0393	.7534	18.54.6	R	3 12 „
12	24.570	20.53	76.3	11.11	77.0	.0379	.7533	18.54.6	R	4 12 „
13	23.884	20.44	75.7	11.15	76.6	.0365	.7538	18.55.1	B	5 12 „
14	24.295	20.64	75.5	11.20	76.5	.0397	.7543	18·54·9	B	6 12 „
15	24.295	20.63	76.0	11.14	76.4	.0395	.7536	18.54.6	B	7 12 „
16	24.914	20.85	76.4	11.14	76.4	.0431	.7536	18.54.2	B	8 12 „
17	24.570	21.39	77.8	10.75	77.0	.0520	.7494	18.51.3	C	9 12 „
18	23.540	21.56	79.5	10.59	78.0	.0548	.7476	18.50.2	C	10 12 „
19	23.476	21.68	81.3	10.58	79.4	.0567	.7475	18.50.0	C	11 12 „
20	23.746	21.68	83.0	10.97	80.8	.0567	.7518	18.51.7	C	Noon.
21	23.816	21.40	83.4	11.23	81·0	.0522	.7546	18.53.4	R	1 12 p. m.
22	23.816	21.23	83·1	11.40	81.7	.0494	.7565	18.54.5	R	2 12 „
23	24.846	21.21	83.6	11.47	82.2	.0491	.7575	18.54.9	R	3 12 „
Jan. 14th-Noon.	25.532	20.95	83.5	11.48	82.6	.0447	.7574	18·55.3	R	4 12 „
1	25.257	20.77	82.6	11.23	82.7	.0419	.7546	18.54.6	B	5 12 „
2	24.914	20·63	81.5	11.21	82.0	.0395	.7545	18.55.0	B	6 12 „
3	24.983	20.44	81.2	11.27	81.5	.0365	.7551	18.55.6	B	7 12 „
4	25.120	20.47	80.6	11.25	81.1	.0370	.7549	18.55.5	B	8 12 „
5	25.120	20.26	80.0	11.22	80.8	.0335	.7545	18.55.8	C	9 12 „
6	25.051	20.28	79.6	11.17	80·5	.0338	.7540	18.55.6	C	10 12 „
7	24.846	20.54	79.8	11.22	80.5	.0381	.7545	18.55.3	C	11 12 „
8	24.983	20.55	79.8	11.24	80.5	.0382	.7547	18.55.4	C	Midnight.
9	25.189	20.46	79.5	11.18	79·9	·0368	.7541	18.55.2	R	1 12 a. m.
10	25·189	20.36	79.1	11.19	79.5	.0351	.7542	18.55.4	R	2 12 „
11	24·846	20.77	79.0	11.19	79.5	.0319	.7542	18.55.8	R	3 12 „
12	24.846	20.62	79.0	11.19	79.5	.0393	.7542	18·54·9	R	4 12 „
13	24.846	20.64	79.1	11.14	79·6	.0397	.7532	18.54.4	B	5 12 „
14	24.846	20.61	79.0	11.31	79.6	.0392	.7555	18.55.5	B	6 12 „
15	24·983	20.53	78.7	11.32	79.1	.0379	.7556	18·55.7	B	7 12 „
16	25.669	20·64	78.5	11.23	79.1	.0397	.7546	18.55·0	B	8 12 „
17	25.394	21.01	79.0	10.97	79.0	.0458	.7518	18.53.1	C	9 12 „
18	24.570	21.38	80.7	10.68	80.0	.0518	.7486	18.51.0	C	10 12 „
19	23.473	21.41	81.0	10.51	80.2	.0524	.7467	18·50·3	C	11 12 „
20	23.267	21·67	82.9	10.69	81.0	.0566	.7487	18·50.5	C	Noon.
21	23.130	21.66	84.0	11.02	82.4	.0564	.7523	18·52·0	R	1 12 p. m.
22	23·816	21.55	85.3	11.29	83.1	.0546	.7553	18.53.3	R	2 12 „
23	24.502	21.33	85.9	11.50	84.0	.0510	.7576	18.54.7	R	3 12 „
Jan. 15th-Noon.	25.532	21.01	85.7	11.47	84.0	.0458	.7573	18.35.2	R	4 12 „
1	25.600	20.91	84.7	11.20	84.1	.0441	.7545	18.54.5	B	5 12 „
2	25.189	20·80	83.2	11.32	83.3	.0423	.7556	18.55.1	B	6 12 „
3	25.257	20·55	82.5	11.30	82.8	.0382	.7554	18.55.4	B	7 12 „
4	25.394	20.42	82.0	11.22	82.3	.0361	.7545	18.55.5	B	8 12 „
5	25.532	20.40	81.1	11.15	81.7	.0358	·7538	18.55.2	C	9 12 „
6	25.326	20.34	80.8	11.18	81.1	.0348	·7541	18.55.4	C	10 12 „
7	24.846	20.37	80.4	11.18	81.0	.0353	.7541	18·55.4	C	11 12 „
8	24.846	20.47	80.1	11.18	81.0	.0370	·7541	18.55.2	C	Midnight.
9	24.639	20.58	80.0	11.12	80.5	.0386	.7534	18.54.6	R	1 12 a. m.
10	24.502	20.62	80.1	11.01	80.4	.0393	.7522	18.54.1	R	2 12 „
11	24.639	20.56	79.8	11.01	80.3	.0384	.7522	18.54.3	R	3 12 „

On the 14th, at about 19h. 40m., Dip as obtained by Observation was 19°08′1.

DAILY OBSERVATIONS, FROM 15TH TO 17TH JANUARY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
JAN. 15TH—12	24·797	20.56	79°5	11.00	80°0	8.0384	2.7521	18°54′3	R	4 12 a. m.
13	24.707	20.62	79.5	11.05	80.0	·0393	.7528	18.54·4	B	5 12 ,,
14	24.983	20.55	79.1	11.09	79.8	.0382	.7531	18.54.7	B	6 12 ,,
15	25·120	20.55	78.7	11.04	79.6	.0382	.7525	18·54.5	B	7 12 ,,
16	25·600	20.69	78.9	10.94	79.5	.0405	.7514	18.53.5	B	8 12 ,,
17	25.669	20.98	79.6	10.77	79·8	.0452	.7497	18.52·4	C	9 12 ,,
18	24.983	21.25	80.6	10.48	80·0	.0497	.7464	18.50.4	C	10 12 ,,
19	24.295	21.44	81.9	10.28	81.0	.0529	.7442	18.49.2	C	11 12 ,,
20	23·473	21.51	83.0	10.50	81.5	.0540	.7466	18.50.1	C	Noon.
21	23.404	21.33	83.5	10.66	81·9	.0510	.7484	18.51.1	R	1 12 p. m.
22	23.816	21.08	84.0	10.87	82.2	.0469	.7507	18.52.6	R	2 12 ,,
23	26.012	21.04	84.4	10.96	82.5	.0463	.7517	18.53.1	R	3 12 ,,
JAN. 16TH-Noon.	25.326	20.88	83.8	10.99	83.0	.0436	.7520	18.53.5	R	4 12 ,,
1	25.051	20.87	83.2	10.88	82.8	.0435	.7508	18.53.0	B	5 12 ,,
2	24.914	20.79	82.2	11·02	82.4	.0432	.7523	18.53.7	B	6 12 ,,
3	25.257	20.62	81.6	11.01	82.1	.0393	.7522	18.54.1	B	7 12 ,,
4	25.120	20.52	81.2	10.95	81.6	.0377	.7516	18.54.1	B	8 12 ,,
5	24.983	20.49	80.8	10.98	81.1	.0373	.7519	18.54.3	C	9 12 ,,
6	24.914	20.42	80.1	10·92	80.8	.0361	.7512	18.54.1	C	10 12 ,,
7	24.914	20.45	80.0	10.96	80.8	.0366	.7517	18.54.3	C	11 12 ,,
8	24.846	20.51	79.5	10.91	80.3	.0376	.7511	18.53.9	C	Midnight.
9	24.776	20.47	79.0	10.90	80·0	·0370	.7510	18.54·0	R	1 12 a. m.
10	24.502	20.59	79.0	10·84	79.7	·0389	.7503	18.53.4	R	2 12 ,,
11	25.159	20.57	78.7	10.84	79.5	.0386	.7503	18.53.4	R	3 12 ,,
12	25.120	20.53	78·5	10.97	79.1	·0379	.7518	18.54·2	R	4 12 ,,
13	24.570	20.45	78.3	10.92	79.1	·0366	.7512	18.54·0	B	5 12 ,,
14	24.707	20.57	77·9	10.96	78.8	·0386	.7517	18.54·0	B	6 12 ,,
15	24.846	20.57	77.9	11.01	78.6	·0386	.7522	18·54.1	B	7 12 ,,
16	25.051	20.76	78.5	11.01	78.7	·0417	.7522	18.53.7	B	8 12 ,,
17	26·149	20.99	79.1	10.93	79.0	·0454	·7511	18.53·0	C	9 12 ,,
18	25.532	21.35	80.4	10.63	79·5	·0513	.7480	18.51·0	C	10 12 ,,
19	24.159	21.71	82·0	10.51	80.4	·0573	.7467	18.49·7	C	11 12 ,,
20	24.295	21.70	82.5	10·68	80.9	·0571	·7486	18.50·4	C	Noon.
21	24.846	21.59	83·0	10.77	81.1	·0553	.7496	18.51·1	R	1 12 p. m.
22	24.502	21.26	83.1	10.90	81.8	·0499	.7510	18.52·3	R	2 12 ,,
23	24.846	21.31	83.5	11.06	82.1	·0507	.7528	18.52·9	R	3 12 ,,
JAN. 17TH-Noon	25.737	21.04	83.0	11.12	82.3	.0463	.7534	18.53.7	R	4 12 ,,
1	25.120	20.93	81.9	10.96	82.0	.0444	.7517	18.53.4	B	5 12 ,,
2	24.983	20.64	80.2	10.81	81.0	.0397	.7500	18.53.2	B	6 12 ,,
3	25·532	20.51	79.8	10.82	80.1	.0376	.7501	18.53.5	B	7 12 ,,
4	25.326	20.39	79.2	10.80	80.1	.0356	.7499	18.53.6	B	8 12 ,,
5	25.463	20.39	78.8	10.73	79·6	.0356	.7491	18.53.3	C	9 12 ,,
6	25.394	20.49	78.0	10.77	79·0	.0373	.7496	18.53.4	C	10 12 ,,
7	25.189	20.57	77.9	10.82	78.9	.0386	.7501	18.53.3	C	11 12 ,,
8	25.189	20.51	77.6	10.81	78.8	.0376	.7500	18.53.5	C	Midnight.
9	25.189	20.48	77.3	10.79	78.0	.0371	.7498	18.53.5	R	1 12 a. m.
10	25·532	20.54	76.6	10.84	78.0	.0381	.7503	18.53.6	R	2 12 ,,
11	25.326	20.47	76.4	10.83	77·5	.0370	.7502	18.53.6	R	3 12 ,,
12	25.189	20.64	76.6	10.81	77.0	.0397	.7500	18.53.2	R	4 12 ,,
13	25.326	20.58	76.0	10.43	76.0	.0387	.7458	18.51.7	B	5 12 ,,
14	24.846	20.66	75.6	10.41	76.9	.0400	.7456	18·51.5	B	6 12 ,,
15	25·051	20.91	75.6	10.54	76.4	.0441	.7470	18.51.5	B	7 12 ,,
16	26·218	20.69	76.3	10.62	76.5	.0405	.7479	18.52.2	B	8 12 ,,
17	26·904	20.86	77.0	10.71	77.0	.0433	.7489	18.52·3	C	9 12 ,,
18	25·394	21.16	78.4	10.73	77.6	.0482	.7491	18.51·8	C	10 12 ,,
19	23·130	21.56	79.8	10.49	78.1	·0548	.7465	18.49·8	C	11 12 ,,
20	22·444	21.52	80.5	9.81	78.8	.0541	.7410	18.47.9	C	Noon.
21	23·404	21·28	81.0	10.07	79.0	.0502	.7419	18.48.7	R	1 12 p. m.
22	23.130	21.20	81.5	10.22	80.0	.0489	.7435	18.49.5	R	2 12 ,,
23	24.021	21.19	81.7	10.41	80.2	.0487	.7456	18.50.3	R	3 12 ,,

On the 17th, at about 19h. 45m., Dip as obtained by Observation was 1906′9.

DAILY OBSERVATIONS, FROM 18TH TO 21ST JANUARY 1861.

DATE. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1861.
h.										h. m.
JAN. 18TH-Noon.	25·120	21.05	81°5	10.53	80°9	8.0464	2.7469	18°51'1	R	4 12 p. m.
1	25.120	20.82	80.6	10.35	80.9	.0426	.7450	18.50.9	B	5 12 „
2	24.707	20.58	79.5	10.45	80.1	.0387	.7461	18.51.7	B	6 12 „
3	25.051	20.44	79.1	10.44	79.6	.0365	.7459	18.51.0	B	7 12 „
4	25.189	20.54	78.9	10.47	79.0	.0381	.7463	18.51.0	B	8 12 „
5	25.189	20.39	78.1	10.46	78.6	.0356	.7462	18.52.1	C	9 12 „
6	25.051	20.36	77.9	10.50	78.4	.0351	.7466	18.52.4	C	10 12 „
7	25.320	20.38	77.0	10.44	78.0	.0354	.7459	18.52.2	C	11 12 „
8	25.257	20.42	76.5	10·62	77.4	.0361	.7479	18.52.8	C	Midnight.
9	24.570	20.47	76.0	10.61	77.0	.0370	.7478	18.52.7	R	1 12 a. m.
10	25.532	20.54	75.5	10.49	76.3	.0381	.7465	18.52.1	R	2 12 „
11	25·051	20.64	75.4	10.48	76.1	.0397	.7464	18.51.7	R	3 12 „
12	24.846	20.42	74.7	10.62	75.8	.0361	.7479	18.52.8	R	4 12 „
13	24.846	20.45	74.1	10.68	75.3	.0366	.7486	18.53.0	B	5 12 „
14	25.189	20.50	73.9	10.57	75.1	.0374	.7474	18.52.5	B	6 12 „
15	25.326	20.35	73.9	10.66	74.8	.0349	.7484	18.53.1	B	7 12 „
16	27.247	20.32	74.3	10.84	74.7	.0344	.7503	18.54.1	B	8 12 „
17	27.795	20.69	75.8	10.34	75.2	.0405	.7448	18.51.1	C	9 12 „
18	26·698	21.09	77.0	9.73	76.0	.0471	.7401	18.48.4	C	10 12 „
19	25.532	21.28	78.5	9·76	76.9	.0502	.7405	18.48.2	C	11 12 „
20	24.846	21.23	79.4	9.88	77.6	.0494	.7418	18.48.7	C	Noon.
21	24.502	21.17	80.0	10.04	78.0	.0484	.7415	18·48.9	R	1 12 p. m.
22	24.983	20.99	80.4	10.17	79.0	.0454	.7430	18·49.8	R	2 12 „
23	24.502	20.94	80.5	10.22	79.0	.0446	.7405	18·50.0	R	3 12 „
JAN. 20TH-Noon.	25.463	21.29	80.2	10·44	79.5	.0504	.7459	18.50.3	B	4 12 „
1	25.257	20.81	78.1	10.24	78.7	.0425	.7437	18.50.4	B	5 12 „
2	26.149	20.77	76.9	10.35	77.3	.0419	.7454	18.51.1	B	6 12 „
3	25.463	20.17	76·2	10.26	76.9	.0320	.7440	18.51.9	B	7 12 „
4	25.875	20.39	75.8	10.29	76.4	.0349	.7443	18.51.6	B	8 12 „
5	25.552	20.09	75.0	10.38	76.0	.0307	.7453	18.52.6	N	9 12 „
6	25.394	20.07	74.0	10.45	75.0	.0304	.7461	18.52.9	N	10 12 „
7	24.983	20.24	73.3	10.39	74.5	.0332	.7454	18.52.3	N	11 12 „
8	26.149	19.86	72.7	10.57	74.0	.0269	.7474	18.53.8	N	Midnight.
9	25.189	19.95	72.2	10·30	73.4	.0283	.7444	18.52.6	R	1 12 a. m.
10	24·983	20.34	71.7	10·47	73.0	·0348	.7463	18.52.3	R	2 12 „
11	25.326	20.38	71.0	10·45	72.5	.0354	.7461	18.52·2	R	3 12 „
12	24·846	20.31	70.5	10·59	72.0	.0343	.7476	18.53.0	R	4 12 „
13	24.226	20.32	70.5	10·66	71.9	.0344	.7484	18.53.3	B	5 12 „
14	24.707	20.32	70.2	10·65	71.5	.0344	.7483	18·53.3	B	6 12 „
15	24.776	20.32	70.2	10·74	71.4	.0344	.7492	18.53.6	B	7 12 „
16	25.600	20.62	71.2	10·85	71·6	.0393	.7505	18·53.5	B	8 12 „
17	27·384	20.89	73·0	10·71	72.0	.0438	·7489	18.52.2	N	9 12 „
18	26.423	21.18	74.6	10·13	73.0	.0485	·7425	18.49.1	N	10 12 „
19	23.816	21.63	75.3	9·77	74.0	.0559	·7406	18.47.4	N	11 12 „
20	23.473	21·72	77.8	9.96	75.2	.0574	.7427	18.48.2	N	Noon.
21	24.021	21.59	79.5	10.14	76.4	.0553	.7426	18.48.4	R	1 12 p. m.
22	25·432	21.14	80.4	10·23	77.6	.0479	.7436	18.49.8	R	2 12 „
23	26.080	21.08	81.0	10.26	78.6	.0469	.7470	18.51.1	R	3 12 „
JAN. 21ST-Noon.	25.532	20.96	81.0	10.11	79.0	.0449	.7423	18.49.5	R	4 12 „
1	25.257	20.80	80.3	10.21	79.5	.0423	.7434	18.50.3	B	5 12 „
2	25.394	20.61	79.2	10.35	78.4	.0392	.7450	18.51.5	B	6 12 „
3	25.737	20.59	77.9	10.36	77.9	.0389	.7451	18.51.4	B	7 12 „
4	25·600	20.44	77·4	10.35	77.5	.0365	.7450	18.51.7	B	8 12 „
5	25.875	20.49	76.9	10.28	77.0	.0373	.7442	18.51.3	N	9 12 „
6	25.257	20.40	76.2	10.27	76.8	.0358	.7441	18.51.4	N	10 12 „
7	25.463	20.45	75.8	10.28	76.0	.0366	.7442	18.51.3	N	11 12 „
8	25.120	20.44	75·2	10.32	76.0	.0365	.7446	18.51.5	N	Midnight.
9	24.846	20·48	75.0	10.33	75.4	.0371	.7447	18.51.6	R	1 12 a. m.
10	24.776	20.63	74.5	10.50	75.0	.0395	.7466	18.51.8	R	2 12 „
11	25.189	20.74	74.0	10.56	74.8	.0414	.7473	18.52.0	R	3 12 „

On the 21st, at about 18h. 15m., Dip as obtained by Observation was 19°06·9.

DAILY OBSERVATIONS, FROM 21ST TO 23RD JANUARY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Jan. 21st—12	25·257	20.72	73°7	10.53	74°4	8.0410	2.7469	18°51′8	R	4 12 a. m.
13	24.776	20.79	73.4	10.61	74·2	.0422	.7478	18.52.0	B	5 12 „
14	25.257	20.75	73·2	10.60	74.0	.0415	.7477	18.52·0	B	6 12 „
15	24.502	20.68	73.5	10.63	73.6	.0403	.7480	18.52·4	B	7 12 „
16	25.532	20.84	74.1	10.86	73.6	.0430	.7506	18·53.0	B	8 12 „
17	26.904	21.16	74.8	10·74	74.0	.0482	.7492	18.51.8	N	9 12 „
18	26.766	21.35	75.3	10.44	74.5	.0513	.7459	18·50.2	N	10 12 „
19	24.983	21·59	76.4	10.30	75.0	.0553	.7444	18.49.0	N	11 12 „
20	24.021	21·58	77.4	10.47	75.5	.0551	.7463	18.49.7	N	Noon.
21	24.502	21.44	78·2	10.63	76.0	.0529	.7480	18.50.7	R	1 12 p. m.
22	25.532	21.18	78.7	10.71	77.0	.0485	.7489	18.51.5	R	2 12 „
23	25·875	21.11	79.0	10.72	77.3	.0474	.7490	18.51.9	R	3 12 „
Jan. 22nd-Noon.	26.012	20.93	78.8	10.73	77.8	.0444	.7491	18.52.3	R	4 12 „
1	25.463	20·97	77.2	10·68	77.5	·0435	.7486	18.52.1	B	5 12 „
2	25.532	20.83	76.0	10·68	76.6	·0428	.7486	18.52.2	B	6 12 „
3	25.806	20.89	75.5	10.74	76.1	.0438	.7497	18.52.6	B	7 12 „
4	26.080	20.62	75·1	10.79	75·6	.0393	.7498	18.53.2	B	8 12 „
5	25.806	20.56	74.6	10.73	75.0	.0384	.7491	18.53.1	N	9 12 „
6	25.757	21.04	74.2	10.74	74.8	.0462	.7492	18.52.0	N	10 12 „
7	26.218	19·85	73.7	10·92	74.0	.0267	·7512	18.55·3	N°	11 12 „
8	25.669	19·43	73.3	10.66	74.0	.0199	.7484	18·55.1	N	Midnight.
9	25.189	19.40	72.5	10.51	73.5	.0194	.7467	18.54.6	R	1 12 a. m.
10	26.492	20.11	72.0	10.89	73.0	·0310	.7509	18.54.7	R	2 12 „
11	25.875	19.42	71.5	10.94	72.5	.0197	·7519	18.56.5	R	3 12 „
12	25·532	19.16	70.9	10·76	72.0	.0154	.7495	18.56.2	R	4 12 „
13	25.120	19.17	70.4	10·85	71.7	.0156	.7505	18.56.5	B	5 12 „
14	25.120	19·68	70.0	10.99	71.2	.0241	.7520	18.56.1	B	6 12 „
15	25.669	19.36	69.6	11.27	70.8	.0187	.7551	18.57.9	B	7 12 „
16	26·972	19.73	70.2	11·43	70.5	·0248	.7565	18·57·6	B	8 12 „
17	28.550	20.15	71.6	11.17	71.0	.0316	.7540	18.55.8	N	9 12 „
18	26.561	20.49	73.2	10·45	71·8	.0373	.7461	18.52.0	N	10 12 „
19	24.432	20.73	75.3	10·29	73·0	.0412	·7443	18.50·9	N	11 12 „
20	24.907	20.86	77.0	10·48	74.3	.0433	.7464	18.51.3	N	Noon.
21	25.189	21.39	78.0	10.63	75.2	.0520	.7480	18.50.8	R	1 12 p. m.
22	26.218	20.49	78.6	10·68	76.0	.0373	.7486	18.53.0	R	2 12 „
23	26.904	20.13	78.8	10·60	76.5	.0313	.7477	18.53.5	R	3 12 „
Jan. 23rd-Noon.	27.590	19.88	78.4	8·51	77.0	·0272	.7246	18.45.0	R	4 12 „
1	26.286	19.60	77.5	8·31	77.1	.0228	.7225	18·44.7	B	5 12 „
2	26.423	19.28	76.5	8·37	76.3	.0174	.7232	18.45·7	B	6 12 „
3	26.492	19.19	75.9	8·59	75.6	.0159	.7255	18.46.8	B	7 12 „
4	26.492	19.34	75.3	8·72	75.3	.0184	.7269	18.47.0	B	8 12 „
5	26.970	19.55	74·6	8·85	75.0	·0218	.7284	18.47.0	N	9 12 „
6	26.080	19.65	74.1	8·83	74.3	.0236	.7281	18.47.7	N	10 12 „
7	26·080	19.60	73,1	8·91	73.8	.0228	.7290	18.47.2	N	11 12 „
8	26.355	19.79	72.8	8·80	73.2	.0258	.7278	18.46.3	N	Midnight.
9	26.286	19·79	72.0	8·84	73.0	.0258	.7282	18.46.4	R	1 12 a. m.
10	25.189	20.18	71.7	8·94	72.5	.0321	.7293	18.46.1	R	2 12 „
11	25.120	20.22	71.1	8·97	72.4	.0328	.7297	18.46.2	B	3 12 „
12	25.394	20.10	71.2	9·07	72.2	.0308	.7309	18.46.9	B	4 12 „
13	25.394	19.97	71.2	9·09	72.0	.0287	.7311	18.47.2	G	5 12 „
14	24.846	19.96	71.0	9·15	71.8	.0285	.7318	18.47.5	G	6 12 „
15	24.707	19.73	71.0	9·15	71.5	.0248	.7318	18.48·0	R	7 12 „
16	25.051	20.22	71.8	9·31	71.7	.0358	.7335	18.47.3	R	8 12 „
17	26.835	20.51	72.9	9·40	72.1	.0376	.7345	18.47.5	B	9 12 „
18	26.492	20.77	74.3	9·06	72.7	.0419	.7308	18.45.4	B	10 12 „
19	25·737	21.13	75.8	8·54	73.8	.0477	.7249	18.42.4	N	11 12 „
20	24.886	20·95	77.2	8·45	75.0	.0447	.7241	18.42.4	N	Noon.
21	25.189	20.91	78.5	8·48	76.0	.0441	.7244	18.42.7	R	1 12 p. m.
22	25.189	20.89	80.2	8.44	77.4	.0438	·7239	18.42.5	R	2 12 „
23	27.384	19.72	80.9	8.44	78.5	.0246	.7293	18.47.0	B	3 12 „

DAILY OBSERVATIONS, FROM 24TH TO 27TH JANUARY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Jan. 24th-Noon.	25·737	20.48	80°9	8.49	79°1	8.0371	2.7245	18°43'7	B	4 12 p. m.
1	25.875	20.15	80.2	8.70	79.1	.0316	.7268	18.45.1	G	5 12 „
2	26.698	18·77	78.7	8.79	78.0	.0091	.7278	18.48.5	G	6 12 „
3	26·012	18.35	77.8	8.82	77.2	.0021	.7281	18.49.5	R	7 12 „
4	26·561	18.56	77.0	8.70	76.6	.0056	.7268	18.48.5	R	8 12 „
5	26.835	19.37	76.1	8.76	76.4	.0189	.7275	18.47.1	B	9 12 „
6	27.247	18.97	75.4	9.05	75.8	.0123	.7306	18.49.2	B	10 12 „
7	29.244	18.38	74.8	9.05	75.0	.0026	.7306	18.50.4	N	11 12 „
8	29.716	18.83	74.0	8.96	74.8	.0100	.7297	18·49·2	N	Midnight.
9	29.716	18.08	73.8	8.93	74.2	7.9977	.7293	18.50.6	R	1 12 a. m.
10	26.629	19.18	73.5	8.72	74.0	8.0157	.7270	18.47.3	R	2 12 „
11	27.041	18.91	73.3	8.92	74·0	.0113	.7292	18.48·8	R	3 12 „
12	27.109	18.83	73.2	8.88	73.6	.0100	.7288	18.48.3	R	4 12 „
13	26.904	18·63	72.9	8.92	73.3	·0067	.7292	18.49.3	B	5 12 „
14	26.561	18.92	72.6	9.00	73.3	.0114	.7301	18.49.2	B	6 12 „
15	25.326	19.13	72.9	8.89	73.1	.0149	.7288	18.48.1	B	7 12 „
16	25·326	19.44	73·2	9.01	73.1	.0201	.7302	18.48.0	B	8 12 „
17	25·326	20.09	74.4	8.80	73·4	.0307	.7279	18·45.7	N	9 12 „
18	25.737	20.48	75.9	8.57	74.0	.0371	·7254	18.44.0	N	10 12 „
19	24.295	20.71	77.8	8.48	75.2	.0409	.7244	18.43.1	N	11 12 „
20	24.226	26.27	79.0	8.89	76.2	.0337	.7289	18.45.7	N	Noon.
21	24.570	20.39	80.1	8·93	77.5	.0353	.7293	18.45.7	R	1 12 p. m.
22	25.875	20·49	81.2	8.77	78.9	.0373	.7276	18.44.8	R	2 12 „
23	25.737	20.35	82.5	8.80	80.0	.0349	.7279	18.45.1	R	3 12 „
Jan. 25th-Noon.	25.326	19.84	83.0	8.83	80.5	.0266	.7282	18.46.3	R	4 12 „
1	26.766	19.82	82.1	8·82	80·5	·0262	.7281	18·46.4	B	5 12 „
2	25.669	19.36	80.2	8.77	79.7	.0187	.7276	18.47.1	B	6 12 „
3	26.492	19.62	79.5	8.77	79·0	.0231	.7276	18.46.6	R	7 12 „
4	27.452	19.26	78.5	8.95	78.3	.0171	.7296	18.48.2	B	8 12 „
5	27.041	19.71	77.4	8.82	78.0	.0245	.7281	18.46.5	N	9 12 „
6	28.001	18.68	76.8	9.23	77.7	.0241	.7326	18.48.5	N	10 12 „
7	27·795	19.32	76.0	9·00	76.5	.0181	.7301	18.48.3	N	11 12 „
8	27.315	18·97	75.8	9.03	76.0	.0123	.7304	18·49.1	N	Midnight.
9	27.384	18.96	75.8	8.95	75·5	.0121	.7296	18.48.8	G	1 12 a. m.
10	27·315	18·68	75.4	8.96	75.4	.0075	·7297	18.49.5	G	2 12 „
11	26.355	19.03	75.0	8.97	75.1	.0149	.7298	18.48.5	G	3 12 „
12	24.984	19.20	74.7	9.00	74.9	.0161	.7301	18.48.5	G	4 12 „
13	25.189	18·57	74.0	9.16	74.5	.0058	.7319	18.50.5	B	5 12 „
14	25.669	19.59	73.8	9.19	74.3	.0225	.7322	18.48.4	B	6 12 „
15	24.707	19.64	73.2	9.23	73.6	.0235	.7326	18·48.5	B	7 12 „
16	24.570	19.65	73.7	9.16	73.6	.0236	.7319	18.48.2	B	8 12 „
17	25.120	20.11	75.6	9·11	74.2	.0310	·7313	18.47.1	C	9 12 „
18	25.600	20·19	77.0	8.75	75.0	.0323	.7274	18.45.3	C	10 12 „
19	25.875	20.06	78.4	8.63	76·0	.0302	.7260	18.45.1	C	11 12 „
20	26.081	19.94	79·4	8.65	76.7	.0282	.7263	18.45.5	C	Noon.
21	25.737	19.90	79.7	8.81	77.0	.0257	.7280	18.46.4	R	1 12 p. m.
22	26.012	19.86	80.4	8.86	78.0	.0269	.7286	18.46.5	R	2 12 „
23	27.795	19.92	81·0	8·76	78.7	.0278	.7278	18.46.1	R	3 12 „
Jan. 27th-Noon.	27.658	18.86	83.1	8.91	82.1	.0105	.7291	18.48.8	B	4 12 „
1	27.590	18.94	81.6	8.87	81.5	.0118	.7287	18.48.5	B	5 12 „
2	26.355	18.64	80.3	8.81	80.3	.0069	.7280	18.48.9	B	6 12 „
3	27.247	18·62	79·5	9.15	80.0	·0065	.7318	18.50.4	B	7 12 „
4	27.384	18.69	79.1	9.14	79.5	.0072	.7316	18.50.3	B	8 12 „
5	26.766	19.23	78.9	9.02	79.0	.0166	.7303	18.48.5	C	9 12 „
6	26.561	19·55	78.5	9.17	79.0	.0218	.7320	18.48.5	C	10 12 „
7	26.492	19.34	78.0	9.19	78.4	.0184	.7322	18.49.1	C	11 12 „
8	26.355	19.37	78.0	9.20	78.3	.0189	.7323	18.48.9	C	Midnight.
9	25·532	20·13	77.9	9.14	78.0	·0313	.7316	18.47.2	R	1 12 a. m.
10	25·737	19.57	77.6	9.19	77.9	.0222	.7322	18.48.5	R	2 12 „
11	25.737	19.75	77.5	9.03	77.7	.0251	.7304	18.47.4	R	3 12 „

On the 24th, at about 19h. 45m., Dip as obtained by Observation was 19°06'2.
On the 25th, at about 20h., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 27TH TO 29TH JANUARY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time, 1861.
h.										h. m.
JAN. 27TH—12	25·943	19.71	77·3	9.33	77·5	8.0245	2.7337	18°48'8	R	4 12 a. m.
13	25.600	19.74	76.9	9.27	77.2	.0250	.7331	18.48.5	B	5 12 „
14	25.257	19.88	76.4	9.31	76.9	.0272	.7335	18.48.5	B	6 12 „
15	25.532	19·72	76.1	9.27	76.4	.0246	.7331	18.48.5	B	7 12 „
16	26·218	19.83	76.2	9.21	76.3	.0264	.7324	18·48.1	B	8 12 „
17	27·041	20.22	76.5	9.06	76.5	.0328	.7308	18.46.6	C	9 12 „
18	26.561	20.53	77.4	8.91	76.9	.0379	.7291	18.45.3	C	10 12 „
19	25.530	20.92	78·0	8.72	77.4	.0442	.7268	18.43.6	C	11 12 „
20	24.226	20.91	79.0	8.72	77.9	.0441	.7268	18.43.6	C	Noon.
21	24.639	20.59	79.4	8.79	78.0	.0389	.7278	18·44.6	R	1 12 p. m.
22	25.532	20.42	79.5	8.60	78.5	.0361	.7257	18.44.3	R	2 12 „
23	26.080	20.30	79.7	8.67	79.0	.0341	.7265	18.44.8	R	3 12 „
JAN. 28TH-Noon.	26.561	20.00	79.0	9.57	79.0	.0292	.7364	18.49.1	R	4 12 „
1	24.983	19.90	78.2	9.52	78.6	.0275	.7358	18.49.3	B	5 12 „
2	25.257	19.88	77.2	9.63	77.5	.0271	.7370	18.49.8	B	6 12 „
3	26.149	19.92	76.8	9.81	77.1	.0278	.7390	18.50.5	B	7 12 „
4	26.218	19.74	76.2	9.82	76.5	.0250	.7391	18.50.8	B	8 12 „
5	26.218	19.63	75.8	9.79	76.3	.0233	.7388	18.51.0	C	9 12 „
6	26.218	19.70	75.0	9.80	76.0	.0243	.7389	18.50.9	C	10 12 „
7	25.737	19.78	74.5	9.87	75.6	.0256	.7397	18.51.0	C	11 12 „
8	25.669	19.87	74.0	9.86	75.3	.0271	.7396	18·50.8	C	Midnight.
9	25.875	19.70	73.9	9.84	74.6	.0243	.7393	18.51.1	R	1 12 a.m.
10	25.875	19.73	73.4	9.82	74.0	.0248	.7391	18.50.8	R	2 12 „
11	25.532	19.64	73.0	9.81	73.8	.0235	.7390	18.51.0	R	3 12 „
12	25.532	19.59	72.7	9.80	73.4	.0225	.7389	18.51.0	R	4 12 „
13	26.080	19.66	72.3	9.80	73.4	.0238	.7389	18.50.9	B	5 12 „
14	25.394	19.67	71.5	9.91	73.0	.0240	.7401	18.51.4	B	6 12 „
15	25.737	19.93	71.2	9.89	72.3	.0280	.7399	18.50.8	B	7 12 „
16	26.561	20.14	71.5	9.99	72.3	.0315	.7410	18.50.7	B	8 12 „
17	27.247	20.58	72.5	9.88	72.8	.0387	.7398	18.49.3	C	9 12 „
18	26.904	21.17	74.0	9.58	73.3	.0484	.7365	18.46.9	C	10 12 „
19	25.532	21.53	76·0	9.08	74.2	.0543	.7310	18.44.0	C	11 12 „
20	24.570	21.53	77.4	9.08	75.4	.0543	.7310	18.44.0	C	Noon.
21	25.051	21.22	78.2	9.23	76.0	.0492	.7326	18.45.2	R	1 12 p. m.
22	25.532	20.92	78.7	9.26	76.9	.0442	.7330	18.46.1	R	2 12 „
23	25.257	20.70	78.6	9.31	77.0	.0407	.7335	18.46.7	R	3 12 „
JAN. 29TH-Noon.	25.532	20.34	78.0	9.41	·770	·0348	.7346	18.47.7	R	4 12 „
1	24.983	20.31	77.0	9.43	·771	·0343	.7348	18.48.1	B	5 12 „
2	25.189	20.22	76.8	9.57	·763	·0328	.7364	18.48.7	B	6 12 „
3	26.080	19.95	75.0	9.66	·754	·0283	.7374	18.49.8	B	7 12 „
4	25.875	19.96	74.5	9.70	·750	·0285	.7378	18.49.8	B	8 12 „
5	26.012	19.87	74.0	9.79	·745	·0271	.7388	18.50.5	C	9 12 „
6	25.669	19.96	73.8	9.78	·742	·0285	.7387	18.50.2	C	10 12 „
7	25.532	19.86	73.1	9.82	·740	·0269	.7391	18.50.6	C	11 12 „
8	25.875	20.49	73.0	9.86	·737	·0373	.7396	18.49.5	C	Midnight.
9	25.394	20.61	73.0	9.81	·730	·0392	.7390	18.49.0	R	1 12 a. m.
10	25.600	20.58	72.3	9.89	·730	·0387	.7399	18.49.3	R	2 12 „
11	26.629	20.24	72.0	9.98	·726	·0332	.7409	18.50.5	R	3 12 „
12	26.218	19.86	72.0	9.87	·724	·0269	.7397	18.50.9	R	4 12 „
13	25.394	20.09	71.9	9.42	·723	·0307	.7347	18.48.5	B	5 12 „
14	25.120	20.04	72.0	9.42	·723	·0299	.7347	18·48.6	B	6 12 „
15	25.394	20.23	72.0	9.57	·723	·0330	.7364	18.48.7	B	7 12 „
16	26.698	20.34	73.0	9.50	·728	·0348	.7356	18·48·2	B	8 12 „
17	27.315	20.52	74.0	9.17	·730	·0377	.7320	18.46.1	C	9 12 „
18	26.423	20.94	75.5	9.02	·739	·0446	.7303	18.44.8	C	10 12 „
19	25.875	21.19	76.8	9.24	·745	·0487	.7327	18.45.3	C	11 12 „
20	25.326	21.23	77.8	9.14	·752	·0494	.7319	18.44.9	C	Noon.
21	25.326	21.16	78.7	9.43	·760	·0482	.7348	18.46.3	R	1 12 p. m.
22	25.326	20.84	79.3	9.66	·770	·0430	.7374	18.47.8	R	2 12 „
23	25.875	20.51	79.8	9.74	·780	·0376	.7382	18.48.8	R	3 12 „

On the 28th, at about 19h. 35m., Dip as obtained by Observation was 19°07'8.

DAILY OBSERVATIONS FROM 30TH JANUARY TO 1ST FEBRUARY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
JAN. 30TH—Noon.	26·561	20.14	79°8	9.71	78°5	8.0315	2.7379	18°49'4	R	4 12 p.m.
1	25.463	19.95	79.2	9.48	78.5	·0283	.7354	18.49.1	B	5 12 „
2	25.120	19.92	77.9	9.33	77.8	.0278	.7337	18.48.5	B	6 12 „
3	25.737	19.95	77.1	9.52	77·2	.0283	.7358	18.49.3	B	7 12 „
4	25·875	19.86	76.5	9.50	76·6	.0269	.7356	18.49.3	B	8 12 „
5	25.737	19.83	76.0	9.52	76.0	.0264	.7358	18.49.5	C	9 12 „
6	25.737	19.92	75.8	9.57	75.8	.0278	.7364	18.49.4	C	10 12 „
7	26.012	19.97	75.1	9.67	75.5	.0287	·7375	18.49.7	C	11 12 „
8	26,218	20.09	75.0	9.65	75.0	.0307	.7373	18.49.4	C	Midnight.
9	25.669	20.06	74.8	9.65	75.0	.0302	.7373	18.49.5	R	1 12 a. m.
10	25·875	20.13	74.6	9.64	74.8	.0313	.7371	18.49.3	R	2 12 „
11	25.875	20·02	74.0	9.53	74.4	.0295	.7359	18.49.0	R	3 12 „
12	25.532	20.10	73.9	9.52	74.0	.0308	·7358	18.48.9	R	4 12 „
13	25.600	20.11	73.4	9.60	74.0	.0310	.7367	18.49.2	B	5 12 „
14	25.257	20·22	72.6	9.59	73.5	.0328	.7366	18.48.8	B	6 12 „
15	25.326	20.39	72.8	9.62	73.3	.0356	.7369	18.48.5	B	7 12 „
16	25.875	20.59	73.3	9.83	73.5	.0339	.7392	18.49.0	B	8 12 „
17	26.904	21.01	74.5	9.82	74.0	.0458	.7391	18.48.1	C	9 12 „
18	27.247	21.22	76.3	9.32	74.7	.0492	.7336	18.45.6	C	10 12 „
19	26.355	21.44	78.0	8.83	76.0	.0529	.7282	18.42.9	C	11 12 „
20	25.051	21.52	78.8	8.85	76.5	.0541	.7285	18.43.0	C	Noon.
21	24.502	21.37	79.5	8.91	77.0	.0517	.7291	18.43.4	R	1 12 p. m.
22	24.639	21.15	80.0	9.19	78.0	.0480	.7322	18.45.2	R	2 12 „
23	25.257	21.06	80.7	9.29	79·0	.0466	.7333	18.45.8	R	3 12 „
JAN. 31ST—Noon.	25.669	20.67	80.6	9.02	79.1	.0402	.7303	18.41.6	R	4 12 „
1	25.806	20.84	80.0	7.98	79.2	.0430	.7189	18.40.6	B	5 12 „
2	25·051	20.62	78.5	7.78	78.5	.0393	.7167	18.40.3	B	6 12 „
3	25.737	20.28	77.6	7.94	77.9	.0338	.7184	18.41.6	B	7 12 „
4	25.875	19.95	77.1	7.95	77.5	.0283	.7186	18.42.6	B	8 12 „
5	26.629	19.64	76.9	8·01	77.0	.0235	.7192	18.43.2	C	9 12 „
6	26.629	19.92	76.5	7.95	76.8	.0278	.7186	18.42.5	C	10 12 „
7	26.149	19.62	76.0	7.94	76.3	.0231	.7184	18·43.0	C	11 12 „
8	25.875	19.86	75.6	8.08	76.0	.0269	.7200	18.43.2	C	Midnight.
9	25.875	20.14	75.2	8.07	75.5	.0315	.7199	18·42.4	R	1 12 a. m.
10	26.218	19.62	75.0	8.07	75.0	.0231	.7199	18.43·6	R	2 12 „
11	26.561	20.12	75.0	8.05	75.0	.0311	.7197	18.42.6	R	3 12 „
12	26.492	19·90	75.0	8.05	75.0	.0275	.7197	18.43.0	R	4 12 „
13	25.737	19.91	74.5	8.16	74.7	.0277	.7209	18.43.4	B	5 12 „
14	25.943	19.92	74.0	8.26	74.5	.0278	.7220	18.43.9	B	6 12 „
15	25·737	19.99	73.9	8.30	74.1	.0285	.7224	18.43.8	B	7 12 „
16	26.561	20.03	74.5	8.33	74.2	.0297	.7227	18.43.9	B	8 12 „
17	26.904	20.34	75.8	8.20	75·0	.0348	.7213	18.42.6	C	9 12 „
18	26.218	20.76	77·0	7·92	75.6	·0417	.7182	18.40.4	C	10 12 „
19	25.943	21.01	78·4	7.75	76·7	·0458	.7164	18.39.2	C	11 12 „
20	25.394	21·04	80.5	7.42	78.0	.0463	.7127	18.37.9	C	Noon.
21	25.532	20.73	81.0	7.56	78.8	.0412	.7143	18.39·2	R	1 12 p. m.
22	24.914	20.56	81.8	7.53	79.5	.0384	.7139	18.39.4	R	2 12 „
23	25.532	20.70	82.5	7.72	80.5	.0407	.7160	18.39.8	R	3 12 „
FEB. 1ST—Noon.	25.875	20.60	82.5	7.83	81.0	.0390	.7172	18.40.4	R	4 12 „
1	26.355	20.58	82.0	7.73	81.0	.0387	.7161	18.40.0	B	5 12 „
2	26.218	20.28	81.0	7.77	80·5	.0338	.7166	18.39.9	B	6 12 „
3	25.875	19.95	80.0	7.90	80.0	.0283	.7180	18.42.3	B	7 12 „
4	25.875	19·81	79.2	7.77	79.0	.0261	.7166	18.41.9	B	8 12 „
5	26.080	19.78	78.1	7.81	78.8	.0256	.7170	18.42.1	C	9 12 „
6	26.012	19.90	77.5	7.80	78.4	.0275	.7169	18.41.8	C	10 12 „
7	25.669	20.05	77.8	7.92	78.1	.0300	.7182	18.42.0	C	11 12 „
8	25.669	20.26	77.9	7.89	77.9	.0335	·7179	18.41.4	C	Midnight.
9	25.669	20.23	77.0	7.89	77.7	.0330	.7179	18.41.5	R	1 12 a. m.
10	25.669	20.30	76.5	7.92	77·2	.0341	.7182	18.41.5	R	2 12 „
11	25.737	20.20	76.4	7.86	76.9	.0325	.7176	18.41.4	R	3 12 „

On the 31st, at about 19h. 30m., Dip as obtained by Observation was 19°0 9'7.
On the 1st, at about 19h. 45m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 1ST TO 4TH FEBRUARY 1861.

DATE. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1861.
h.										h. m.
FEB. 1ST—12	24·914	20.36	76°6	7.90	76°8	8.0351	2.7180	18°41′3	R	4 12 a. m.
13	24.363	20.23	76.0	7.89	76.3	.0330	.7179	18.41.5	B	5 12 „
14	24.846	20.38	75.7	7.92	76.0	.0354	.7182	18.41.3	B	6 12 „
15	25.463	20.22	75.4	8.27	75.6	.0328	.7221	18.43.3	B	7 12 „
16	26.904	20.29	75.8	8.37	75.8	.0340	.7232	18.43.5	B	8 12 „
17	27.315	20·67	77.1	8.11	76.3	.0402	.7203	18.41.6	C	9 12 „
18	27.733	20.84	78.2	7·81	77.1	.0430	.7170	18.39.9	C	10 12 „
19	26.561	21.08	79.8	7.36	78.0	.0469	.7121	18.37.5	C	11 12 „
20	24.914	21.21	81.5	7.08	79·2	.0491	.7090	18.36.0	C	Noon
21	22.787	21.21	82.0	7.01	80.3	.0491	.7082	18.35.6	R	1 12 p. m.
22	24.021	20·98	82.4	7.13	80.9	.0452	.7095	18.36.7	R	2 12 „
23	24.502	20.87	82.9	7·15	81.7	.0435	.7098	18.37.0	R	3 12 „
FEB. 3RD—Noon.	23.816	20.71	82.0	7.53	81.0	.0409	.7139	18.39.0	R	4 12 „
1	24.983	20.50	80.5	7.73	81·0	.0374	.7161	18.40·3	R	5 12 „
2	25.051	20.41	79.7	7.80	80.0	.0360	.7169	18.40.7	R	6 12 „
3	25.669	20.32	79.0	7.68	79.4	.0344	.7156	18.40.6	R	7 12 „
4	25.737	20.21	78.4	7.67	79.0	.0327	.7155	18.40.7	R	8 12 „
5	25.669	20.11	77.6	7·60	78.4	.0310	.7147	18.40.7	B	9 12 „
6	25.326	20.05	77.2	7.64	78.1	.0300	.7151	18·40.9	B	10 12 „
7	25.532	20.08	77.1	7.65	77·8	.0305	.7153	18.40.9	B	11 12 „
8	25.532	20·16	77·0	7·68	77.6	.0318	.7156	18.40.8	B	Midnight.
9	25·532	20.24	76.6	7.72	77.2	·0332	.7160	18.40.8	C	1 12 a. m.
10	25.532	20.25	76.1	7.55	77.0	.0333	.7142	18·40.1	C	2 12 „
11	25.875	20.14	75.2	7.50	76.7	·0315	.7136	18.40.0	C	3 12 „
12	25.394	20.25	75.0	7.53	76.2	.0333	.7139	18.40.0	C	4 12 „
13	25·326	20.30	75.0	7.50	76.0	·0341	.7136	18.39.8	R	5 12 „
14	25.394	20.30	74.7	7.67	75.5	.0341	.7155	18.40.6	R	6 12 „
15	25.532	20.31	74.5	7.75	75.0	.0343	.7164	18.40.8	R	7 12 „
16	25.532	20.53	74.6	7.79	75.0	.0379	·7168	18.40·5	R	8 12 „
17	25.875	20.72	75.6	7.78	75.2	.0410	.7167	18.40.1	B	9 12 „
18	25.806	21·01	77.2	7.59	76.3	.0458	.7146	18.38.6	B	10 12 „
19	25.532	21.10	78.6	7·34	77.2	.0472	.7118	18.37.4	B	11 12 „
20	25.120	21.14	79.6	7.24	77.9	.0479	.7107	18.36.9	B	Noon.
21	25.189	20.97	80.1	7.40	78.8	.0451	.7125	18.37.9	C	1 12 p. m.
22	24.502	20·90	80.8	7.22	79.0	.0439	.7105	18.37.3	C	2 12 „
23	23.816	20.73	81.0	7.23	79.1	.0412	.7106	18.37.7	C	3 12 „
FEB. 4TH—Noon.	24.502	20.65	80.8	7.40	80·0	·0398	.7125	18.38.6	C	4 12 „
1	25·120	20.61	80.0	7.54	80.0	.0392	.7140	18.39.3	R	5 12 „
2	24.914	20·38	78.7	7·57	79.0	.0354	.7144	18.39.9	R	6 12 „
3	25.532	20.29	78·0	7.55	78.2	.0340	.7142	18.40.0	R	7 12 „
4	25.600	20.26	77.3	7.73	77.8	.0335	.7161	18.40·7	R	8 12 „
5	26.012	20.16	77.0	7.23	77.6	.0318	.7106	18.38.8	B	9 12 „
6	25.326	20.06	76.7	7.34	77.3	.0302	·7118	18.39.6	B	10 12 „
7	25.532	20.09	76.5	7.36	77.0	.0307	.7121	18.39.6	B	11 12 „
8	25.806	20.15	76.4	7.40	76.6	.0316	.7125	18.39.6	B	Midnight.
9	25.600	20.13	76.0	7.44	76.6	.0313	.7129	18.39.9	C	1 12 a. m.
10	26.886	20.01	75.6	7.38	75.9	·0294	.7123	18.39.9	C	2 12 „
11	26.012	20.16	75.2	7.77	75.6	·0318	.7166	18.41.1	C	3 12 „
12	25.600	20.13	74.9	7.80	75.4	.0313	.7169	18.41.4	C	4 12 „
13	24.983	20.18	74.6	7.75	75.0	.0321	.7164	18.41.0	R	5 12 „
14	25.189	20.14	74.0	7.64	74.5	.0315	.7151	18.40.6	R	6 12 „
15	25.532	20.08	73.8	7.62	74.0	.0305	.7149	18.40.7	R	7 12 „
16	26.286	20.32	74.0	7.83	74.3	.0384	.7172	18.41.1	R	8 12 „
17	26.561	20.50	75.3	7·70	75.0	.0374	.7158	18.40.3	B	9 12 „
18	26.561	20.94	76.8	7.62	75.6	.0446	.7189	18.38.8	B	10 12 „
19	25.876	21.38	78.2	7.45	76.5	.0518	.7130	18.37.2	B	11 12 „
20	24.502	21.36	79.0	7.25	77.3	.0515	.7108	18.36.3	B	Noon.
21	24.914	21.12	79.3	7.21	78.1	.0475	.7104	18.36.7	C	1 12 p. m.
22	25.189	21.05	80.0	7.23	78.6	.0464	.7106	18.37.0	C	2 12 „
23	25.394	20.82	80.5	7.23	79.4	.0426	.7106	18.37.5	C	3 12 „

On the 1st, at about 19h. 45m., Deflection Observations were taken.
On the 4th, at about 19h. 50m., Dip as obtained by Observation was 19°06′4.

DAILY OBSERVATIONS, FROM 5TH TO 7TH FEBRUARY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Feb. 5th-Noon.	25°806	20.54	80°2	7.30	79°9	8.0381	2.7114	18°38′4	C	4 12 p. m.
1	25.189	20.42	79.5	7.29	79.6	.0361	.7113	18.38.6	R	5 12 „
2	24.983	20.18	78.4	7.44	78.7	.0321	.7129	18.39.7	R	6 12 „
3	25.532	20.04	77.7	7.44	78.0	.0299	.7129	18.40.0	R	7 12 „
4	25.600	20.18	77.4	6.83	77.7	.0321	.7062	18.37.0	R	8 12 „
5	25.806	20.09	76.6	6.80	77.2	.0307	.7059	18.37.2	B	9 12 „
6	25.463	20.10	76.4	6.76	76.9	.0308	.7055	18.37.1	B	10 12 „
7	25.532	20.08	76.1	6.82	76.6	.0305	.7061	18.37.2	B	11 12 „
8	25.326	20.16	75.9	6.89	76.2	.0318	.7069	18.37.3	B	Midnight.
9	25,532	20.10	75.2	6.93	76.0	.0308	.7073	18.37.7	C	1 12 a. m.
10	25.189	20.23	74.9	6.90	75.8	.0330	.7070	18.37.3	C	2 12 „
11	24.983	20.30	74.7	6.86	75.2	.0341	.7066	18.37.0	C	3 12 „
12	24.983	20.34	74.4	6.89	75.0	.0348	.7069	18.36.9	C	4 12 „
13	24.295	20.30	74.0	6.94	74.7	.0341	.7074	18.37.3	R	5 12 „
14	24.502	20.33	73.5	7.02	74.1	.0346	.7083	18.37.5	R	6 12 „
15	24.639	20.35	73.0	7.12	74.0	.0349	.7094	18.37.9	R	7 12 „
16	24.983	20.71	73.4	7.12	74.0	.0409	.7094	18.37.2	R	8 12 „
17	25·600	21.01	74.5	7.08	74·2	.0458	.7090	18.36.4	B	9 12 „
18	26.218	21.31	76.1	7·01	75.2	.0507	.7082	18.35.2	B	10 12 „
19	25.806	21.46	77.6	6.70	76.0	.0532	.7048	18.33.7	B	11 12 „
20	25·326	21.42	78.7	6.53	76.9	.0525	.7029	18.32.9	B	Noon.
21	25·326	21.23	79·2	6.59	77.7	.0494	.7036	18.33.9	C	1 12 p. m.
22	25.326	20.98	79.6	6.59	78.0	.0452	.7036	18.34.4	C	2 18 „
23	25.326	20.86	79.7	6.76	78.6	.0433	.7055	18.35.5	C	3 12 „
Feb. 6th-Noon.	25.875	20.76	79.5	6.83	79.0	.0417	.7062	18.35.7	C	4 12 „
1	25.326	20.56	78.2	6.86	78.7	.0384	.7066	18.36.0	R	5 12 „
2	25.051	20.46	77.0	6.93	77.5	.0368	.7073	18.37.1	R	6 12 „
3	25.669	20.33	76.3	7.01	77.0	.0346	.7082	18.37.7	R	7 12 „
4	25.875	20.18	76.0	6.99	76.4	.0321	.7080	18.37.8	R	8 12 „
5	25.669	20·11	75.6	7.04	76.3	.0310	.7085	18.38.2	B	9 12 „
6	25.532	20.11	75.2	7.00	76.0	.0310	.7081	18.38.0	B	10 12 „
7	25.326	20.18	75.0	7.07	75.6	.0321	.7089	18.38.1	B	11 12 „
8	25.532	20.16	74.6	7·06	75.2	.0318	.7088	18.38.1	B	Midnight.
9	25.257	20.34	74.5	7.03	75.0	.0348	.7084	18.37.5	C	1 12 a. m.
10	24.914	20.25	74.0	7.09	74.8	.0333	.7091	18.38.1	C	2 12 „
11	25.051	20.23	73.2	7·08	74.2	.0330	.7090	18.38.1	C	3 12 „
12	24.846	20.29	73.0	7.02	73.9	.0340	.7083	18.37.7	C	4 12 „
13	24.159	20.42	72.9	7.09	73.1	.0361	.7091	18.37.7	R	5 12 „
14	24.502	20.37	72.9	6.89	73.0	.0353	.7069	18.36.9	R	6 12 „
15	24.502	20.46	72.5	7.14	73.0	.0368	.7096	18.37.8	R	7 12 „
16	25.669	20.64	73.0	7.29	73.1	.0397	.7123	18.38.5	R	8 12 „
17	27.247	20.99	74.1	7.27	73.9	.0454	.7121	18.37.7	B	9 12 „
18	26.972	21.36	75.9	6.89	74.6	.0515	.7069	18.34.5	B	10 12 „
19	26.423	21·51	77.1	6.52	75.5	.0540	.7043	18.33.3	B	11 12 „
20	25.051	21.62	78.4	6.40	76.5	.0557	.7015	18.32.0	B	Noon.
21	24.363	21.50	78.9	6.42	77.3	·0538	.7017	18.32.4	C	1 12 p. m.
22	24.502	21.36	79.2	6.48	77.9	.0515	.7024	18.32.8	C	2 12 „
23	24.846	21.18	79.5	6.66	78.7	.0485	.7044	18.34.2	C	3 12 „
Feb. 7th-Noon.	25.875	20·59	79.1	6.77	78.9	.0389	.7056	18.35.0	C	4 12 „
1	25.394	20.50	78.4	6.59	78.9	.0374	.7036	18.35.5	R	5 12 „
2	25.120	20.46	77.3	6.74	78.0	.0368	.7052	18.36.1	R	6 12 „
3	25.326	20.36	76.7	6.87	77.1	.0351	.7067	18.36.9	R	7 12 „
4	25.737	20.22	76.2	6.90	76.5	.0328	.7070	18.37.3	R	8 12 „
5	25.532	20.16	75.9	6.85	76.5	.0318	.7065	18.37.2	B	9 12 „
6	25.257	20·13	75·4	6.88	76.1	.0313	.7068	18.37.5	B	10 12 „
7	25.051	20·27	75·2	6.90	75.9	.0337	.7070	18.37.2	B	11 12 „
8	25.326	20.35	75.1	7.02	75.7	.0349	.7083	18.37.5	B	Midnight.
9	25.257	20.30	74.7	6.90	75.1	.0341	.7070	18.37.2	C	1 12 a. m.
10	25.189	20.26	74.2	7.00	75.0	.0335	.7081	18.37.6	C	2 12 „
11	25.120	20.20	73.6	7.04	74.5	.0325	.7085	18.37.9	C	3 12 „

On the 7th, at about 9h. 45m., Dip as obtained by Observation was 19°13′1.

DAILY OBSERVATIONS, FROM 7TH TO 10TH FEBRUARY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
FEB. 7TH—12	24'707	20.16	73°1	6.94	74°1	8.9318	2.7074	18°37'5	C	4 12 a.m.
13	24.846	20.23	73·0	7.01	73.5	.0330	.7082	18.37.7	R	5 12 „
14	24.846	20.19	72·7	6.79	73.0	.0323	.7058	18.37.0	R	6 12 „
15	24.295	20.30	72.5	6.89	73.0	.0341	.7069	18.37.1	R	7 12 „
16	25.875	20.54	72.2	6.99	73.0	·0381	.7080	18.37.1	R	8 12 „
17	26.561	20.95	73.6	6.91	73.5	.0447	.7071	18.35.7	B	9 12 „
18	27.041	21.34	75.2	6.75	74.2	.0512	.7054	18.34.2	B	10 12 „
19	26·286	21.59	77.2	6.49	75·6	.0553	.7025	18.32.5	B	11 12 „
20	25.737	21.42	78.8	6.30	76.6	.0525	.7004	18.31.9	B	Noon.
21	24.639	21.31	79·7	6.30	77.9	.0507	.7004	18.32.2	C	1 12 p.m.
22	23.953	21.12	80·1	6.36	78.7	.0475	.7011	18·33.1	C	2 12 „
23	24.502	20.93	79.9	6.55	79.0	.0444	.7032	18.34.4	C	3 12 „
FEB. 8TH—Noon.	25.189	20.68	79.6	6·51	79.0	.0403	.7027	18.34·8	C	4 12 „
1	25.120	20.50	78.6	6.57	79.0	.0374	.7034	18.35.4	R	5 12 „
2	25.189	20.50	77.8	6.64	78.0	.0374	·7041	18·36.7	R	6 12 „
3	25.463	20.31	77.0	6.73	77.5	.0343	.7051	18.36.5	R	7 12 „
4	25.737	20.14	76.6	6.71	77.0	.0315	.7049	18·36.6	R	8 12 „
5	25.600	20.18	76.5	6.76	77·0	.0321	.7055	18.36·9	B	9 12 „
6	26.080	19.91	75.9	6.55	76.5	.0277	·7034	18.36.5	B	10 12 „
7	26.218	19.85	75.2	6.47	76.2	.0267	.7025	18.36.4	B	11 12 „
8	26.012	20.05	75.1	6·53	75.9	.0300	.7029	18·36·1	B	Midnight.
9	25.326	20.39	75.8	6.56	75.9	·0356	·7033	18.35.5	C	1 12 a.m.
10	25.532	20.42	75.1	6.61	75.5	·0361	.7038	18·35.7	C	2 12 „
11	25.326	20.40	75.0	6.62	75.3	.0358	.7039	18.35·7	C	3 12 „
12	24.846	20.36	74.6	6.60	75.0	.0351	.7037	18.35·8	C	4 12 „
13	24.502	20.32	74.0	6.61	74.5	.0344	.7038	18.36·0	R	5 12 „
14	24.502	20.40	73.7	6.62	74.0	.0358	.7039	18.35·7	R	6 12 „
15	24.914	20·36	73.5	6.78	74.0	.0351	.7057	18.36.6	R	7 12 „
16	25.806	20.55	73.9	6.82	74.0	.0382	.7061	18.36.3	R	8 12 „
17	26.423	20.85	74.5	6.58	74.2	·0431	.7035	18.34.7	B	9 12 „
18	26.629	21.16	75.7	6.36	75.2	·0482	.7011	18.33.1	B	10 12 „
19	25.257	21.59	77.6	6.09	76.2	.0553	.6981	18.30.9	B	11 12 „
20	24.502	21.48	78.7	6.11	76.9	.0535	.6983	18.31·3	B	Noon.
21	24.502	21.12	79.0	6.21	77.8	.0475	.6994	18·32.4	C	1 12 p.m.
22	25.051	20.97	79.3	6.28	78.0	.0451	.7002	18.33.0	C	2 12 „
23	25.051	20.73	79·0	6.40	78.4	.0412	·7015	18.34·2	C	3 12 „
FEB. 10TH—Noon.	25.600	20·92	79.5	6.52	79.1	.0442	.7028	18.34.3	R	4 12 „
1	24.846	20.38	78.5	6·37	79.0	.0354	.7012	18.34.7	R	5 12 „
2	24.159	20.00	77·5	6.44	78.0	.0272	·7019	18.35.8	R	6 12 „
3	24.983	20.12	76.5	6.61	77·0	.0311	.7038	18.36.4	R	7 12 „
4	25.532	20.03	76·0	6.50	76.5	·0297	.7026	18.36.0	R	8 12 „
5	25.051	19·91	75.6	6.61	76.2	.0277	.7038	18.36.8	B	9 12 „
6	25.737	19.78	74.8	6.58	76·0	.0256	.7035	18.36·9	B	10 12 „
7	25.669	19.96	74·5	6.72	75·5	.0285	.7050	19.37·1	B	11 12 „
8	25.806	20·26	74.2	6.71	75.4	.0335	.7049	18.36.4	B	Midnight.
9	25·463	20.13	74.6	6.76	75.2	.0313	.7055	18.37.1	C	1 12 a.m.
10	25·806	20.26	74.1	6.83	74.9	.0335	.7062	18.36.8	C	2 12 „
11	26.012	20.04	74.0	6.84	74.6	.0299	.7063	18.37.4	C	3 12 „
12	25·669	20.16	73·4	6.67	74.3	.0318	.7047	18.36.6	C	4 12 „
13	25.875	19·98	73.2	6.72	74.0	.0288	.7050	18.37.1	R	5 12 „
14	25·669	19.97	72.9	6.61	73.5	.0287	.7038	18.36.6	R	6 12 „
15	24.846	20.19	73.0	6.59	73.0	.0323	.7036	18.36.2	R	7 12 „
16	25.875	20.47	72.9	6.73	73.0	.0370	.7051	18.36.1	R	8 12 „
17	25.875	20.54	73.5	6.66	73.5	.0381	.7044	18.35.7	B	9 12 „
18	25·189	20.90	75.1	6.45	74.2	.0439	.7020	18.34.4	B	10 12 „
19	24.707	21·14	76.6	6.18	75.3	.0479	·6991	18.32.3	B	11 12 „
20	24.846	21.19	78.0	6.31	76.1	.0487	.7005	18·32.7	B	Noon.
21	23.609	21.15	78.9	6.05	77.0	.0480	.6977	18.31·8	C	1 12 p.m.
22	23·953	20.68	79.6	6.21	77.8	.0403	.6994	18.33.4	C	2 12 „
23	24.090	20.21	79·8	6.21	78.6	.0327	.6994	18·34.3	C	3 12 „

On the 8th, at about 19h. 35m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 11TH TO 13TH FEBRUARY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Feb. 11th-Noon.	25'669	19.88	79°6	6.47	78°9	8.0272	2.7023	18°36'3	C	4 12 p. m.
1	25.532	19.45	78.7	6.47	78.9	.0202	.7023	18.37.2	R	5 12 "
2	26.218	19.64	77.6	6.54	78.0	.0235	.7030	18.37.0	R	6 12 "
3	25.394	19.77	76.8	6.53	77.0	.0255	.7029	18.36.6	R	7 12 "
4	25.463	19.92	76.3	6.60	76.7	.0278	.7037	18.36.8	R	8 12 "
5	25.326	19.68	76.0	6.54	76.2	.0241	.7030	18.36.0	B	9 12 "
6	25.257	19.92	75.7	6.61	76.2	.0278	.7038	18.36.8	B	10 12 "
7	25.257	20.12	75.3	6.70	75.9	.0311	.7048	18.36.8	B	11 12 "
8	25.532	20.12	75.1	6.72	75.5	.0311	.7050	18.36.9	B	Midnight.
9	25.532	20.08	74.9	6.74	75.4	.0305	.7052	18.36.9	C	1 12 a. m.
10	25.875	19.97	74.9	6.81	75.2	.0287	.7060	18.37.4	C	2 12 "
11	24.846	20.22	74.5	6.69	75.0	.0328	.7047	18.36.5	C	3 12 "
12	25.257	20.01	74.1	6.82	74.6	.0294	.7061	18.37.4	C	4 12 "
13	25.600	20.13	73.8	6.83	74.2	.0313	.7062	18.37.2	R	5 12 "
14	25.532	19.85	73.3	6.82	74.0	.0267	.7061	18.37.7	R	6 12 "
15	25.189	20.02	72.9	6.91	73.5	.0295	.7071	18.37.7	R	7 12 "
16	25.875	20.38	73.0	7.11	73.5	.0354	.7092	18.37.8	R	8 12 "
17	26.492	20.95	74.7	6.98	74.2	.0447	.7079	18.36.0	B	9 12 "
18	27.178	21.07	75.6	6.85	75.0	.0468	.7065	18.35.3	B	10 12 "
19	26.835	21.51	77.0	6.65	75.7	.0540	.7043	18.33.6	B	11 12 "
20	26.012	21.59	78.0	6.62	76.6	.0553	.7039	18.33.2	B	Noon.
21	25.669	21.43	78.5	6.58	77.6	.0527	.7035	18.33.5	C	1 12 p. m.
22	25.600	20.60	78.5	6.50	78.0	.0390	.7026	18.34.8	C	2 12 "
23	25.463	20.38	78.8	6.35	78.2	.0354	.7010	18.34.7	C	3 12 "
	"									
Feb. 12th-Noon.	25.051	20.24	78.3	6.26	78.4	.0332	.7000	18.34.4	C	4 12 "
1	25.189	20.28	77.4	6.49	77.9	.0338	.7025	18.35.5	R	5 12 "
2	25.051	20.10	76.4	6.61	77.0	.0308	.7038	18.36.4	R	6 12 "
3	25.532	19.94	75.5	6.88	76.0	.0282	.7068	18.37.9	R	7 12 "
4	25.943	19.70	75.0	6.97	75.7	.0243	.7078	18.38.8	R	8 12 "
5	26.629	19.59	75.0	6.99	75.6	.0225	.7080	18.39.0	B	9 12 "
6	25.943	19.53	74.7	7.01	75.3	.0215	.7082	18.39.1	B	10 12 "
7	26.012	19.98	74.5	7.03	75.1	.0288	.7084	18.38.3	B	11 12 "
8	26.218	19.99	74.1	7.09	74.8	.0290	.7091	18.38.6	B	Midnight.
9	26.012	20.01	73.9	7.08	74.4	.0294	.7090	18.38.6	C	1 12 a. m.
10	26.355	20.08	73.8	7.17	74.2	.0305	.7100	18.38.8	C	2 12 "
11	26.355	19.75	73.0	7.12	73.9	.0251	.7094	18.39.2	C	3 12 "
12	25.669	19.84	72.9	7.13	73.5	.0266	.7095	18.39.1	C	4 12 "
13	26.355	19.97	72.7	7.11	73.0	.0287	.7093	18.38.7	R	5 12 "
14	25.532	19.92	72.3	6.79	73.0	.0278	.7058	18.37.6	R	6 12 "
15	25.669	19.93	72.0	6.74	72.9	.0280	.7052	18.37.3	R	7 12 "
16	27.933	20.27	72.5	6.89	73.0	.0337	.7069	18.37.1	R	8 12 "
17	27.933	20.66	74.1	6.76	73.5	.0400	.7055	18.35.9	B	9 12 "
18	28.207	21.04	75.2	6.64	74.1	.0463	.7041	18.34.5	B	10 12 "
19	27.658	21.29	76.6	6.48	75.4	.0504	.7024	18.33.3	B	11 12 "
20	26.286	21.30	77.5	6.43	76.1	.0505	.7016	18.32.9	B	Noon.
21	25.737	20.94	78.0	6.33	77.0	.0446	.7007	18.33.3	C	1 12 p. m.
22	25.600	20.81	78.4	6.23	77.5	.0425	.6996	18.33.1	C	2 12 "
23	25.737	20.59	78.7	6.24	78.0	.0389	.6997	18.33.7	C	3 12 "
Feb. 13th-Noon.	25.257	20.34	77.9	6.28	78.0	.0348	.7002	18.34.3	C	4 12 "
1	25.189	20.23	76.7	6.33	77.6	.0330	.7007	18.34.9	R	5 12 "
2	25.600	20.15	75.6	6.50	76.5	.0316	.7026	18.35.7	R	6 12 "
3	25.806	20.00	75.0	7.08	76.0	.0292	.7090	18.38.6	R	7 12 "
4	25.669	19.96	74.5	7.05	75.1	.0285	.7087	18.38.5	R	8 12 "
5	25.394	20.02	74.1	7.03	75.0	.0295	.7084	18.38.2	B	9 12 "
6	25.257	20.10	74.0	7.07	74.9	.0308	.7089	18.38.3	B	10 12 "
7	25.463	20.04	74.0	7.10	74.6	.0299	.7092	18.38.5	B	11 12 "
8	25.463	20.09	73.8	7.16	74.5	.0307	.7099	18.38.7	B	Midnight.
9	25.737	20.11	73.8	7.18	74.3	.0310	.7101	18.38.8	C	1 12 a. m.
10	25.532	20.21	73.5	7.17	74.1	.0327	.7100	18.38.5	C	2 12 "
11	25.600	20.19	73.1	7.21	73.6	.0323	.7104	18.38.7	C	3 12 "

On the 11th, at about 19h. 15m., Dip as obtained by Observation was 19°03'8.

DAILY OBSERVATIONS, FROM 13TH TO 15TH FEBRUARY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Feb. 13th—12	25·512	20.16	72·9	7.16	73·5	8.0318	2.7099	18°38′5	C	4 12 a. m.
13	25.189	20.10	72.8	7.19	73·0	.0308	.7102	18.38.8	R	5 12 „
14	25.326	20.15	72·8	7.18	72.7	.0316	.7101	18.38·6	R	6 12 „
15	25.394	20.16	72.9	7.29	73.0	.0318	.7113	18.39·1	R	7 12 „
16	26.423	20.49	73.5	7.31	73.5	.0373	.7115	18·38.6	R	8 12 „
17	27.521	20.89	74.6	7·17	74·0	.0433	.7100	18.37.1	B	9 12 „
18	27.864	21.31	75.5	7.04	74.5	.0507	.7085	18·35.6	B	10 12 „
19	27.452	21·58	76.6	6.94	75.2	.0551	.7074	18.34.5	B	11 12 „
20	27.178	21·55	77.4	6.86	75.9	.0546	.7066	18.34.2	B	Noon.
21	26.904	21.38	78·0	6.72	76.6	.0518	.7050	18.34.1	C	1 12 p. m.
22	26.561	21.03	78.5	6.57	77.3	.0461	.7034	18.34.2	C	2 12 „
23	25·394	20.86	78.8	6.52	77.9	.0433	.7028	18.34.5	C	3 12 „
Feb. 14th-Noon.	25.120	20.61	78.4	6.69	78.1	.0392	.7047	18.35.7	C	4 12 „
1	25.600	20·40	77.5	6.84	78.0	·0358	.7063	18.36.6	R	5 12 „
2	25.257	20.22	76.5	6·82	77.3	·0328	.7061	18.36.9	R	6 12 „
3	25.806	20.13	76.0	6.90	76.6	.0313	.7070	18.37.6	R	7 12 „
4	25.875	20.11	76·0	6.88	76·0	.0310	.7068	18.37.5	R	8 12 „
5	26.286	20.03	75.4	7.18	76.0	.0297	.7101	18.38.9	B	9 12 „
6	26.080	20.07	75.0	7.22	75.6	.0304	.7105	18.39.1	B	10 12 „
7	25.463	20·09	74.1	7·30	75.0	.0307	.7114	18.39·3	B	11 12 „
8	25.532	20·26	74.0	7.40	75.0	.0335	.7125	18·39.4	B	Midnight.
9	25.737	20.29	73.9	7.50	74.9	.0340	.7136	18.39.8	C	1 12 a. m.
10	25.463	20.27	73.9	7.49	74.6	·0337	.7135	18.39.8	C	2 12 „
11	25.189	20.18	73.2	7.42	74.1	.0321	.7127	18.39.7	C	3 12 „
12	25·463	20.06	72.5	7·43	73.6	.0302	.7128	18.40.0	C	4 12 „
13	27.247	20.11	72.0	7.49	73.0	.0310	.7135	18.40.2	R	5 12 „
14	25.875	20·13	71.0	7.58	72.5	.0313	.7145	18.40.6	R	6 12 „
15	24.846	20.26	70.6	7.71	72.0	.0335	.7159	18.40.7	R	7 12 „
16	25·875	20.58	71.0	7·81	72.0	·0387	.7170	18·40·4	R	8 12 „
17	26.904	21.30	72.5	7.74	73·0	.0505	.7162	18.38.5	B	9 12 „
18	26.629	21.71	74.3	7.43	73·6	.0573	.7128	18.36.5	B	10 12 „
19	25.875	21.94	76.5	7.22	74·5	.0610	.7105	18.35·1	B	11 12 „
20	24.983	21.92	77.6	7·02	75.5	.0605	.7083	18.34.2	B	Noon.
21	25.532	21.76	78.8	7.20	76.5	.0581	.7103	18.35·4	C	1 12 p. m.
22	25.326	21.68	79.8	7.27	77.7	.0551	.7111	18.36.0	C	2 12 „
23	25.669	21.31	80.0	7·21	78.4	.0507	.7104	18.36.3	C	3 12 „
Feb. 15th-Noon.	25.189	21.07	79.9	7.17	78.9	·0468	.7100	18.36.7	C	4 12 „
1	25.806	20.84	79.0	7.20	79.0	.0430	.7103	18·37.3	R	5 12 „
2	25.532	20.69	78.0	7·18	78.0	.0405	.7101	18.37·5	R	6 12 „
3	25.532	20.52	77.3	7.33	77.5	.0377	.7117	18.38.6	R	7 12 „
4	25.463	20.46	77.0	7.29	77.0	.0368	.7113	18.38.5	R	8 12 „
5	25.463	20.44	76·6	7.28	76.8	·0365	.7112	18.38.4	B	9 12 „
6	25.669	20.23	76.2	7.40	76.5	.0330	.7125	18.39.5	B	10 12 „
7	26·218	20.10	75.5	7.40	76.1	.0308	.7125	18.39.8	B	11 12 „
8	26.218	19·89	75.3	7.48	75.9	.0274	.7134	18.40.6	B	Midnight.
9	25.600	20.47	75.1	7.25	75.7	.0370	.7109	18.38.3	C	1 12 a. m.
10	26.218	20.05	74.8	7·36	75.2	.0300	.7121	18.39.7	C	2 12 „
11	26.080	20.09	74.1	7.20	75.0	.0307	.7103	18.38.9	C	3 12 „
12	26.080	20.22	73.9	7·26	74.8	.0328	.7110	18.38.9	C	4 12 „
13	25.875	20.11	73.2	7.22	74.0	.0310	.7105	18.39.0	R	5 12 „
14	25.669	20.32	73.5	7.32	74.0	.0344	.7116	18.39.0	R	6 12 „
15	25.326	20.43	73.8	7.44	74.0	.0363	.7129	18.39·2	R	7 12 „
16	26.766	20.59	74.0	7.62	74.1	.0389	.7149	18.39.6	R	8 12 „
17	27.933	21.12	75.1	7·59	74.6	.0475	.7146	18.38.4	B	9 12 „
18	27.384	21.39	76.5	7.32	75.5	.0520	.7115	18.36.6	B	10 12 „
19	26·904	21.79	78.0	7.15	76.5	.0586	.7098	18.35.0	B	11 12 „
20	27.041	22·01	79.8	7.24	78.0	.0622	.7107	18.35.0	B	Noon.
21	26.629	21.90	81.0	7·14	79.0	.0603	.7096	18.34.8	C	1 12 p. m.
22	26.149	21.67	81.5	6.84	79.9	.0566	·7063	18.33.9	C	2 12 „
23	25.572	21.54	81.9	6.67	80.3	.0545	.7045	18.33.5	C	3·12 „

On the 14th, at about 19h. 30m., Dip as obtained by Observation was 19°09′4.
On the 15th, at about 19h. 45m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 17TH TO 19TH FEBRUARY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.	° ′							° ′		h. m.
Feb. 17th-Noon.	26·561	20.46	81·0	7.10	80·8	8.0368	·2.7092	18°37·6	R	4 12 p. m.
1	25.737	20.36	80.6	6.98	81.0	.0351	.7079	18.37.3	R	5 12 „
2	25.532	20·18	79.5	7.00	80.0	.0320	.7081	18.37.8	R	6 12 „
3	26·080	20.11	78.9	7.14	79.5	.0310	·7096	18.38.6	R	7 12 „
4	26·012	20.26	78.4	7.17	79.0	.0335	.7100	18.38.4	R	8 12 „
5	25.600	20.00	77.5	6.96	78.5	.0292	.7077	18.38.1	B	9 12 „
6	25.600	20.09	77.2	7.06	78.0	.0307	.7088	18.38.3	B	10 12 „
7	25.943	20.28	76.5	7.07	77.4	.0338	.7089	18.37.9	B	11 12 „
8	26.012	20.33	76.2	7.11	77.1	.0346	.7093	18.37.9	B	Midnight.
9	26.561	20.18	75.5	7.10	76.7	.0321	.7092	18·38·2	C	1 12 a. m.
10	26.012	20.27	74.9	7.14	76.3	.0337	.7096	18.38.2	C	2 12 „
11	26.012	19.89	74.1	7.13	75·9	.0274	.7095	18.39.1	C	3 12 „
12	26.012	20.26	73.8	7.15	75.8	.0335	.7098	18.38·3	C	4 12 „
13	25.532	20·06	73.4	7.25	75.0	·0302	.7109	18.39.1	R	5 12 „
14	25.669	20.29	73.0	7.34	74.6	.0344	.7118	18.39.1	R	6 12 „
15	25.737	20.41	72.7	7.42	74.0	.0360	.7127	18.39.2	R	7 12 „
16	26·492	20.74	73·7	7.52	74.0	.0414	.7138	18.39.0	R	8 12 „
17	26·972	21.27	75.5	7.31	75·2	.0501	.7115	18.36.9	B	9 12 „
18	25.766	21.65	77.5	6.93	76.1	.0562	·7073	18·34.4	B	10 12 „
19	24.983	22.11	79.6	6.59	78.0	.0638	.7036	18.32.0	B	11 12 „
20	24.226	22.36	82.2	6.58	79.3	.0677	.7035	18.31.5	B	Noon.
21	24.226	22.25	83.8	7·02	80.6	.0661	.7083	18.33.5	C	1 12 p. m.
22	24 432	21·92	84.0	7.16	81.2	.0606	.7099	18.34.8	C	2 12 „
23	25.120	21.48	83.8	7.31	82.0	.0535	.7115	18.36.2	C	3 12 „
Feb. 18th-Noon.	25.532	21.06	83.1	7.32	82.4	.0466	.7116	18.36.3	C	4 12 „
1	25.326	20.91	82.0	7·26	82·0	·0441	.7110	18 37.5	R	5 12 „
2	24.846	20.84	80.9	7.23	81.0	.0430	.7106	18.37.5	R	6 12 „
3	25.532	20.62	80.1	7.33	80·5	.0393	.7117	18.38.4	R	7 12 „
4	25.326	20.50	79.7	7.30	80.0	.0374	.7114	18.38.5	R	8 12 „
5	25.737	20.31	79.2	7.34	79.6	.0343	.7118	18.39.1	B	9 12 „
6	25.600	20.11	78.5	7.26	78.8	.0310	.7110	18.39.2	B	10 12 „
7	26.218	20.10	77.8	7·39	78.3	.0308	.7124	18.39.7	B	11 12 „
8	26.218	20·21	76.9	7.44	77.9	.0327	.7129	18·39.6	B	Midnight.
9	26.492	20.19	76.1	7.42	77·4	.0323	.7127	18.39.7	C	1 12 a. m.
10	26·012	20·38	76.0	7.39	77.1	.0354	·7124	18.39.1	C	2 12 „
11	25.875	20.35	76.0	7.46	77.0	.0349	.7132	18.39.4	C	3 12 „
12	26.218	20.38	75.9	7.40	76.8	.0354	.7125	18.39.2	C	4 12 „
13	25.875	20·36	75.9	7.10	76.5	.0351	.7092	18.37.8	R	5 12 „
14	25.669	20.42	75.4	7.08	76.1	.0361	.7090	18.37.7	R	6 12 „
15	25.532	20.60	75.0	7.27	75.8	.0390	.7111	18·38.1	R	7 12 „
16	26.218	20.94	75.5	7.38	76.0	.0446	.7123	18.37.8	R	8 12 „
17	26.904	21.46	77.3	7·26	77.0	.0552	·7110	18.36.3	B	9 12 „
18	25.629	21·96	79.2	7.09	78.0	.0613	.7091	18.34.5	B	10 12 „
19	25.120	22.20	81.4	6.84	79·7	.0653	.7063	18.32.8	B	11 12 „
20	23.816	22.52	83.6	6.90	81.6	.0705	.7070	18.32.4	B	Noon.
21	23.816	22.48	85.7	7.11	83.6	.0699	.7029	18.33.3	C	1 12 p. m.
22	23.953	22.21	87.0	7.26	84.8	.0655	.7110	18.34.6	C	2 12 „
23	24.946	21.79	86·9	7·39	84.7	.0586	.7124	18.36.0	C	3 12 „
Feb. 19th-Noon.	25.532	21.36	85.3	7.42	84.1	.0515	.7127	18.37.1	C	4 12 „
1	25.806	20.80	83.8	7.41	83.8	.0423	.7126	18.38.3	R	5 12 „
2	25.875	20.41	82.3	7.29	83.0	.0360	.7113	18.38.6	R	6 12 „
3	26.080	20.38	81·3	7.23	82.0	·0354	.7106	18.38.4	R	7 12 „
4	26.835	20.38	80.7	6.83	81.0	.0354	.7062	18.36.6	R	8 12 „
5	25.737	20.24	80.5	6.75	81.0	.0332	.7051	18.36.6	B	9 12 „
6	25.532	20·32	79.4	6.77	80.5	.0344	.7056	18.36.7	B	10 12 „
7	25.600	20.38	78.8	6.84	80.0	.0354	.7063	18.36.7	B	11 12 „
8	25.394	20.35	78.6	6.89	79.5	.0349	.7069	18.36.9	B	Midnight.
9	25.463	20·37	78.1	6.97	78.9	·0351	.7078	18.37.3	C	1 12 a. m.
10	25·394	20.43	77.8	6.99	78.2	.0363	.7080	18.37.3	C	2 12 „
11	26.080	20.58	77.0	6.99	78.0	.0387	.7080	18.36.9	C	3 12 „

On the 18th, at about 19h. 30m., Dip as obtained by Observation was 18°38'8.

DAILY OBSERVATIONS, FROM 19TH TO 21ST FEBRUARY 1861.

DATE. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1861.
h.										h. m.
FEB. 19TH—12	26·904	20.75	76·9	6.93	77·8	8.0415	2.7073	18°36′2	C	4 12 a. m.
13	25.532	20.63	77.0	6.93	77.5	.0395	.7073	18.36.5	R	5 12 „
14	25.532	20.72	76.8	7.02	77.2	·0410	.7083	18.36.8	R	6 12 „
15	25.051	20·73	77.0	7.12	77.4	.0412	.7094	18.37.2	R	7 12 „
16	26·561	20.90	77.2	7.33	77.6	.0439	.7117	18·37.8	R	8 12 „
17	27·933	21.37	78.5	7.09	78.1	.0517	.7091	18.35.6	B	9 12 „
18	27.933	21.80	80.0	6.81	78.8	.0587	.7060	18.33.5	B	10 12 „
19	26.835	22.12	81·6	6.71	79.8	.0639	.7049	18.32.5	B	11 12 „
20	26.423	22.30	83.5	6.60	81.5	.0669	.7039	18.31.7	B	Noon.
21	25.806	22.24	85.9	6.65	83.3	.0665	.7043	18·32.0	C	1 12 p. m.
22	25.669	22.03	86.8	7.02	84.1	.0625	·7083	18.33.9	C	2 12 „
23	26.080	21.58	86.0	7.14	84.0	.0551	.7096	18.35.4	C	3 12 „
FEB. 20TH-Noon.	26.355	21.39	85.5	7.32	84.5	.0520	.7116	18.36.6	C	4 12 „
1	26.423	21.21	84.5	7.22	84.0	.0491	.7105	18.36.6	R	5 12 „
2	25.600	20.94	82.7	7.19	83.0	.0446	.7102	18.36.9	R	6 12 „
3	26.149	20.70	81.4	7.26	82.0	.0407	.7110	18.37.9	R	7 12 „
4	25.532	20.74	80.9	7.23	81.5	.0414	.7106	18.37.7	R	8 12 „
5	26.012	20.63	80.2	6.94	81.3	.0395	.7074	18.36.5	B	9 12 „
6	25.875	20.58	79.6	6.93	81.0	.0387	.7073	18.36.6	B	10 12 „
7	25.532	20.66	79.8	7.02	80.6	.0400	.7083	18.36.9	B	11 12 „
8	25.189	20.79	80.2	7.03	80.4	.0424	.7084	18·36.6	B	Midnight.
9	25.875	20.64	79.6	7.04	80.0	.0397	.7085	18.37.0	C	1 12 a.m.
10	26.012	20.68	78.9	7.14	79.8	.0403	.7096	18.37.4	C	2 12 „
11	25.463	20.71	78.6	7.18	79.2	.0409	.7100	18.37.5	C	3 12 „
12	25.189	20.70	77.6	7.09	78.9	.0407	.7091	18.37.1	C	4 12 „
13	25.257	20.81	77.0	7.12	78.2	.0425	.7094	18.36.9	R	5 12 „
14	25.669	20.79	76.9	7.14	78.0	.0422	.7096	18.37.1	R	6 12 „
15	25.532	20.83	77.0	7.33	77.5	.0423	.7117	18.38.0	R	7 12 „
16	26.286	21.12	77.9	7.42	78.0	.0475	.7127	18.37.7	R	8 12 „
17	26.218	21.72	78.8	7.35	78.2	.0574	.7122	18.36.2	B	9 12 „
18	25.875	22.04	80.4	7.32	79.0	.0627	.7116	18.35.2	B	10 12 „
19	24.846	22.23	81·7	7.02	80.1	.0658	.7083	18.33.5	B	11 12 „
20	23.884	22.13	82.8	7.02	80.6	.0641	.7083	18.33.8	B	Noon.
21	24.432	22.03	83.2	7.19	81.3	.0625	.7102	18.34.6	C	1 12 p. m.
22	25.326	21.88	83.9	7.26	82.1	.0600	.7110	18.35.4	C	2 12 „
23	25.326	21.66	84.0	7.24	83.0	.0564	.7107	18.35.8	C	3 12 „
FEB. 21ST-Noon.	25.326	21.48	83.9	7.35	83.3	.0535	.7120	18.36.6	C	4 12 „
1	25.326	21.33	83.5	7.36	83.0	.0510	.7121	18.37.0	R	5 12 „
2	24.985	20.90	82.2	7.38	82.7	.0439	.7122	18.37.9	R	6 12 „
3	25.669	20.63	81.3	7.33	81.9	.0395	.7117	18.38.3	R	7 12 „
4	25.875	20.58	81.0	7.34	81.2	.0387	.7118	18.38.4	R	8 12 „
5	25.669	20.47	80.4	7.18	81.0	.0370	.7101	18.38.0	B	9 12 „
6	26.561	20.43	79.9	7.30	80.5	·0363	.7114	18.38.6	B	10 12 „
7	26.423	20.10	79.7	7.39	80.2	.0308	.7124	18.39.7	B	11 12 „
8	26.423	19.91	79.5	7.30	79.9	.0277	.7114	18.39.7	B	Midnight.
9	26.523	20.06	79.4	7.37	79.8	.0302	.7122	18.39.7	C	1 12 a. m.
10	26.012	20.27	78.9	7.20	79.4	.0337	.7103	18.38.5	C	2 12 „
11	25.943	20.13	78.5	7.31	79.0	.0313	.7115	18.39.4	C	3 12 „
12	26.012	20.64	78.0	7.27	78.9	.0397	.7111	18.38.0	C	4 12 „
13	26.218	20.62	77.9	7.36	78.5	.0393	.7121	18.38.5	R	5 12 „
14	25.532	20.47	77.6	7.34	78.0	.0370	.7118	18·37.7	R	6 12 „
15	26.012	20.07	77.2	7.44	77.9	.0304	.7129	18.40.0	R	7 12 „
16	27.109	20.60	77.5	7.44	78.0	.0390	.7129	18·38·8	R	8 12 „
17	27.846	21.15	78.6	7.30	78.4	.0480	.7114	18.37.1	B	9 12 „
18	27.247	21.41	79.4	7.09	79.0	.0525	.7091	18.35.5	B	10 12 „
19	26.355	21.84	81.2	6.95	79.9	.0594	·7076	18.34.1	B	11 12 „
20	25.394	21.89	82.1	7.13	80.3	.0602	·7095	18.34.8	B	Noon.
21	25.532	21.79	83.0	7.27	81.0	.0586	.7111	18.35.5	C	1 12 p. m.
22	25.806	21.50	83.5	7.32	81.9	.0538	.7116	18.36.4	C	2 12 „
23	25.806	21.27	84.0	7.28	82.5	.0501	.7112	18.36.7	C	3 12 „

On the 21st, at about 19h. 45m., Dip as obtained by Observation was 19°21′2.

DAILY OBSERVATIONS FROM 22ND TO 25TH FEBRUARY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.	′									h. m.
Feb. 22nd-Noon.	25′806	20.92	83°7	7.28	82°8	8.0442	2.7112	18°37′5	R	4 12 p.m.
1	25.600	20.33	83.0	7.21	83.0	.0346	.7104	18.38.3	R	5 12 „
2	24.983	20.31	82.0	7.21	82.0	.0343	.7104	18.38.5	R	6 12 „
3	25.532	20.18	81.0	7.35	81·7	.0321	.7120	18.39.4	R	7 12 „
4	25·737	20.18	80.7	7.43	81·0	.0321	.7128	18.39.7	R	8 12 „
5	25.737	20.04	80.2	7.32	80.7	.0299	.7116	18.39.5	B	9 12 „
6	25.806	20.06	79.6	7.36	80.4	.0302	.7121	18.39.7	B	10 12 „
7	26.355	20.06	79.3	7.40	80.1	.0302	·7125	18.39.9	B	11 12 „
8	25.943	20.24	79.1	7.49	79.6	.0332	.7135	18.39.9	B	Midnight.
9	26.218	20.27	79.0	7.43	79.4	.0337	.7128	18.39.5	C	1 12 a. m.
10	26·355	20.26	78.5	7.47	79.1	.0335	.7133	18.39.7	C	2 12 „
11	26.218	20·19	78.0	7.45	78.6	.0323	.7131	18.39.8	R	3 12 „
12	26.080	20.39	78.0	7.44	78.1	.0356	·7129	18.39.2	R	4 12 „
13	25.600	20.30	77.6	7.44	78.1	.0341	.7129	18.39.5	B	5 12 „
14	26.561	20·08	76.3	7.45	77.6	.0305	.7131	18.40.0	B	6 12 „
15	25.875	20.27	76.1	7.36	77.4	.0337	.7121	18.39.2	C	7 12 „
16	26.218	20.62	76.5	7.52	77.2	.0393	.7137	18.39.2	C	8 12 „
17	26.698	20.98	78.5	7.28	78.0	.0452	.7112	18.37.3	R	9 12 „
18	26.218	21.30	80.0	7.16	78.8	.0505	.7099	18.36.1	R	10 12 „
19	25.532	21.61	81.2	7.94	79.7	.0554	.7074	18.34.5	B	11 12 „
20	24.502	21.67	82.1	7.19	80.3	.0553	.7102	18.35.6	B	Noon.
21	24.639	21.54	82.9	7.27	81.0	.0545	.7111	18.36.0	C	1 12 p. m.
22	24.707	21.45	83.4	7.34	82.0	.0530	.7118	18.36.6	C	2 12 „
23	24.090	21.21	83.6	7.27	82·2	.0490	.7111	18.36.8	R	3 12 „
Feb. 23rd-Noon.	24.502	21.10	83.6	7.30	82.7	.0472	.7114	18.37.2	R	4 12 „
1	24.707	20.99	83.2	7.35	82.9	.0454	.7120	18.37.7	B	5 12 „
2	24·707	20.71	82.2	7.38	82.5	.0409	.7123	18.38.4	B	6 12 „
3	25.189	20.50	81.4	7.54	81.9	.0374	.7139	18.39.5	C	7 12 „
4	25.463	20.46	81.0	7.49	81.5	.0368	.7135	18.39.4	C	8 12 „
5	25.532	20.44	80.5	7·33	81.0	.0365	.7117	18.38.7	R	9 12 „
6	25.737	20.34	79.8	7.62	80.5	.0348	.7149	18.40.1	R	10 12 „
7	25.600	20.25	79.1	7.69	80.3	.0333	.7157	18.40.8	B	11 12 „
8	25.737	20.33	78.8	7.72	79.9	.0346	.7160	18.40.5	B	Midnight.
9	25.875	20.35	78.5	7.69	79.7	.0349	.7157	18.40.5	C	1 12 a. m.
10	25.875	20.33	78.4	7.70	79.3	.0346	.7158	18.40.5	C	2 12 „
11	25.600	20.29	78.2	7.66	79.0	.0340	.7154	18.40.5	C	3 12 „
12	25.532	20·37	77.9	7.66	78.6	.0353	.7154	18.40.3	C	4 12 „
13	25.394	20.45	77.5	7.70	78.2	.0366	.7158	18.40.3	R	5 12 „
14	26.218	20.26	76.6	7.71	78.0	.0335	.7159	18.40.7	R	6 12 „
15	26·218	20.62	77.0	7.74	78.0	.0392	.7162	18.40.0	R	7 12 „
16	27.387	20.87	77.5	8.14	78.0	.0435	.7206	18.41.2	R	8 12 „
17	27.933	21.26	78.0	8.00	78·2	.0499	.7191	18.39.8	B	9 12 „
18	27.933	21.76	79·8	7·69	78.9	·0581	.7157	18.37.6	B	10 12 „
19	26.218	21.98	81·2	7.37	79·6	·0616	.7123	18.35.5	B	11 12 „
20	24.707	22·15	82.2	7.41	80.3	.0644	.7126	18.35.5	B	Noon.
21	24.846	21.95	82.8	7.63	81.0	.0611	.7150	18.36·9	C	1 12 p. m.
22	25.051	21.62	83.0	7.56	81.9	.0557	.7143	18.37.2	C	2 12 „
23	24.846	21.24	83.0	7.63	82.5	.0496	.7150	18.37.3	C	3 12 „
Feb. 25th-Noon.	27.521	21.10	83.7	7.89	83.0	.0472	.7179	18.39.7	R	4 12 „
1	26.835	20.90	83.1	7.69	83.0	.0439	.7157	18.39.4	R	5 12 „
2	25.669	20.75	81.7	7.68	82·5	.0413	.7156	18.39.7	R	6 12 „
3	26.080	20.43	80.9	7.78	81.5	.0363	.7167	18.40.7	R	7 12 „
4	25.875	20·34	80.2	7.73	81.0	.0348	.7161	18.40.5	R	8 12 „
5	25.321	20.55	80.0	7.62	80.8	.0382	.7149	18.39.8	B	9 12 „
6	25.463	20.53	79.5	7.72	80.5	.0379	.7160	18.40.2	B	10 12 „
7	25.394	20.71	79.5	7.73	80.2	.0409	.7161	18.39.8	B	11 12 „
8	25.394	20.62	79.5	7.72	80.0	.0393	·7160	18.40.0	B	Midnight.
9	25.463	20.58	78.4	7.71	79.8	.0387	.7159	18.40.0	C	1 12 a. m.
10	25.463	20.49	78.3	7.74	79·8	.0373	.7161	18.40.3	C	2 12 „
11	25.669	20.75	78.9	7.73	79.4	.0415	.7161	18.39.6	C	3 12 „

On the 22nd, at about 19h. 45m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 25TH TO 27TH FEBRUARY 1861.

Date. Göttingen Mean Time, 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Feb. 25th—12	25·600	20.66	78·7	7.77	79·0	3.6400	2.7166	18°40′1	C	4 12 a. m.
13	25.875	20.63	78·2	7.72	79.0	.0395	.7160	18.39.9	R	5 12 „
14	26.080	20.64	78·0	7.56	78·5	.0397	.7143	18.39.3	R	6 12 „
15	27.795	20.69	77.7	7.30	78·2	.0405	.7114	18.38.0	R	7 12 „
16	29.305	20.94	77.7	7.25	78.2	.0446	.7109	18.37.2	R	8 12 „
17	29.030	21.39	78.8	6.86	78.7	.0525	.7066	18.35.5	B	9 12 „
18	27.590	21.78	80.5	6.71	79.7	.0584	.7049	18.33.3	B	10 12 „
19	27·315	22.05	82.3	6.72	81.5	.0628	.7050	18.32.7	B	11 12 „
20	26.286	22.27	84.8	6.89	83·7	.0665	.7069	18.32.8	B	Noon.
21	25.943	22.18	87.0	7.49	84.6	.0649	.7135	18.35.7	C	1 12 p. m.
22	26.012	21.66	87.0	7.35	85.0	.0564	.7120	18.36.3	C	2 12 „
23	26.423	21.09	86.9	7·33	85.6	.0471	.7117	18.37.4	C	3 12 „
Feb. 26th-Noon.	25.943	21.03	86.3	7.18	86.0	.0461	.7101	18.36.8	C	4 12 „
1	25.600	21.08	85.5	7.18	86.0	.0469	.7101	18.36.7	R	5 12 „
2	24.914	21.01	84.3	7.15	85.0	.0458	.7098	18.36.7	R	6 12 „
3	25.189	20.78	83.2	7.22	84.0	.0420	.7105	18.37.5	R	7 12 „
4	25.532	20.72	82.9	7.21	83.5	.0410	.7104	18.37.6	R	8 12 „
5	25.326	20.74	82.5	7.37	82.9	.0414	.7122	18.38.3	B	9 12 „
6	25.463	20.71	81.7	7.48	82.5	.0409	.7134	18.38.8	B	10 12 „
7	25.806	20.76	80.8	7.41	82.0	.0417	.7126	18.38.3	B	11 12 „
8	25.875	20.93	80.7	7.48	82.0	.0444	.7134	18.38.8	B	Midnight.
9	25.669	20.89	80.2	7.50	81·5	.0438	.7136	18.38.5	C	1 12 a. m.
10	25·463	20.96	80.1	7.51	81.1	.0449	.7137	18.38 4	C	2 12 „
11	25.051	21.08	80.0	7.50	80.8	.0469	.7136	18.38.1	C	3 12 „
12	25.669	21.06	79.7	7.47	80.6	.0466	.7135	18.38.1	C	4 12 „
13	25.189	21.06	79.5	7.50	80.0	.0466	.7136	18.38.1	R	5 12 „
14	25.532	21.27	79.1	7.58	80.0	.0501	.7145	18.38.1	R	6 12 „
15	26.355	21.20	79.0	7.63	79.6	.0489	.7150	18.38 4	R	7 12 „
16	28.276	21.57	79.7	7.40	80.0	.0550	.7125	18.36.6	R	8 12 „
17	26.149	22.03	81.0	7.37	80.5	.0635	.7122	18.35.3	B	9 12 „
18	24.914	22.54	82.7	7.05	81.5	.0709	.7087	18.33.0	B	10 12 „
19	24.846	22.51	84.2	7.26	82.1	.0704	.7110	18.34.1	B	11 12 „
20	24.846	22.62	85.2	7.60	83.2	.0721	.7147	18 35.2	B	Noon.
21	25 532	22.50	86.2	7.91	84.5	.0701	.7181	18.36.4	C	1 12 p. m.
22	26.561	22.25	87.3	7.97	85.6	.0661	.7188	18.37.6	C	2 12 „
23	26.561	22.09	87.7	7.78	86.0	.0635	.7167	18.37.1	C	3 12 „
Feb. 27th-Noon.	26.492	21.83	87.5	7.81	86.9	.0592	.7170	18.37.8	C	4 12 „
1	25.737	21.14	87.0	7.61	87.0	.0479	.7148	18.38.5	R	5 12 „
2	25.875	20.46	86.0	7.58	86.1	.0368	.7145	18.39.8	R	6 12 „
3	25.326	19.82	85.3	7.66	85.3	.0262	.7154	18.41.5	R	7 12 „
4	25.257	19.44	84.8	7.64	84.8	.0201	.7151	18.42.0	R	8 12 „
5	26.149	19.17	83.7	7.70	84.5	.0156	.7158	18.43.0	B	9 12 „
6	26.561	18.86	83.4	7.83	84.2	.0105	.7172	18.44.1	B	10 12 „
7	27.795	18.36	83.1	7.95	83.6	.0023	.7186	18.45.8	B	11 12 „
8	28.207	19.15	82.5	7.82	80.2	.0152	.7171	18.43.5	B	Midnight.
9	28.207	19.25	81.8	7.78	82.8	.0169	.7167	18.43.2	C	1 12 a. m.
10	28.070	19.01	82.0	7.82	82.6	.0130	.7171	18.43.8	C	2 12 „
11	28.962	19.04	81.7	7.77	82.2	.0135	.7166	18.43.5	C	3 12 „
12	28.276	19.00	81.0	7.74	81.9	.0128	.7162	18.43.4	C	4 12 „
13	28.276	19.44	80.8	7.77	81.0	.0201	.7166	18.42.7	R	5 12 „
14	28.276	19.54	80.2	7.63	81.0	.0217	.7150	18.41.8	R	6 12 „
15	28.619	19.41	79.5	7.56	80.4	.0196	.7143	18.41.9	R	7 12 „
16	28.276	19.60	80.0	7·42	80.5	.0228	.7127	18.40.9	R	8 12 „
17	26.835	20.04	80.6	7.18	80.9	.0299	.7101	18.38.9	B	9 12 „
18	25.257	20.46	82.3	7.15	81.5	.0368	.7098	18.37.9	B	10 12 „
19	25.189	20.63	83.5	7.27	82.3	.0395	.7111	18.38.0	B	11 12 „
20	24.776	20.60	84.1	7.58	82.8	.0390	.7145	18.39.5	B	Noon.
21	24.846	20.42	84.8	7.76	83.6	.0361	.7165	18.40.6	C	1 12 p. m.
22	25.395	20.08	84.9	7.87	84.0	.0305	.7177	18.41.8	C	2 12 „
23	25.051	19.92	85.0	7.69	84.4	.0278	.7157	18.41.5	C	3 12 „

On the 26th, at about 20h., Dip as obtained by Observation was 19°10′0.

DAILY OBSERVATIONS; FROM 28TH FEBRUARY TO 3RD MARCH 1861.

DATE. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE: Bombay Civil Time. 1861.
h.										h. m.
FEB. 28TH-Noon.	25·051	19.74	84·6	7.74	84·7	8.0250	2.7162	18°41'8	C	4 12 p. m.
1	25.051	19.53	83.8	7.63	84.4	.0215	.7150	18.41.9	R	5 12 "
2	25.463	19.05	82.5	7.59	83.1	.0136	.7140	18.42.6	R	6 12 "
3	26.561	19.46	81.7	7.88	82.5	.0204	.7178	18.43.2	R	7 12 "
4	26.698	18·73	81.3	7.76	82.0	.0084	.7168	18.44.4	R	8 12 "
5	26.492	19.08	81.0	7.65	81.8	.0141	.7153	18.43.1	B	9 12 "
6	27.178	18.87	80.5	7.74	81.3	.0107	.7162	18.43.7	B	10 12 "
7	27.521	19.21	80.2	7.75	80.9	.0163	.7164	18.43.1	B	11 12 "
8	28.001	19.40	80.1	7.82	80.5	.0194	.7171	18·43.0	B	Midnight.
9	27.247	19.30	80.0	7.71	80.2	.0177	.7159	18.42.8	C	1 12 a. m.
10	26.218	20.19	79.8	7.70	80.1	.0323	.7168	18.40.9	C	2 12 "
11	26.766	19.92	79.3	7·71	79.8	.0278	.7159	18.41.5	C	3 12 "
12	26.492	19.88	78.8	7.66	79.3	.0272	.7154	18.41.4	C	4 12 "
13	26.629	19.73	78.5	7.67	79.0	.0248	.7155	18.41.7	R	5 12 "
14	25.463	19.87	78.0	7.76	78.5	.0271	.7165	18·41.8	R	6 12 "
15	25.532	19.86	77.9	7.66	78.5	.0269	.7154	18.41.4	R	7 12 "
16	26.904	19.89	78.3	7.86	78.5	.0274	.7176	18.42.3	R	8 12 "
17	27.384	20.23	79.1	7.67	79.0	.0330	.7154	18.40.6	B	9 12 "
18	26.218	20.47	80.1	7·49	79.7	.0370	.7135	18.39.4	B	10 12 "
19	26.904	20.46	81.0	7.50	80.0	.0368	.7136	18.39.4	B	11 12 "
20	26.292	20.82	81.9	7.79	80.4	.0328	.7167	18.41.1	B	Noon.
21	26.080	19.92	82.7	7.93	81·0	.0278	.7183	18.42.4	C	1 12 p. m.
22	25.875	20.09	83·0	8.06	82.0	.0307	.7198	18.42.6	C	2 12 "
23	26.423	20.04	83.0	7.95	82.2	.0299	.7186	18.42.2	C	3 12 "
MAR. 1ST-Noon.	25.875	20.03	82.4	7.76	82.6	.0297	.7165	18.41.4	C	4 12 "
1	25.394	19.81	82.0	7.75	82.4	.0261	.7164	18.41.8	C	5 12 "
2	26.080	19·29	80.9	7.90	81·4	.0176	.7180	18.43.6	C	6 12 "
3	26.698	18.82	80.1	7.79	81.0	.0098	.7167	18.44.1	C	7 12 "
4	26.286	19.08	79.9	7.74	80.5	.0141	.7162	18.43.3	C	8 12 "
5	26.423	19.23	80.0	7.80	80.1	.0166	.7169	18.43.2	R	9 12 "
6	26.286	19.63	79.9	7.80	80·0	.0233	.7169	18.42.4	R	10 12 "
7	27.109	19.24	79.4	7.88	79.7	.0168	.7178	18.43.6	R	11 12 "
8	27.041	19.24	79.0	7.79	79.5	.0168	.7168	18.43.2	R	Midnight.
9	26.980	19.72	79.0	7.69	79·5	.0246	.7157	18.41.8	B	1 12 a. m.
10	26·904	19.81	78.7	7.83	79.3	.0261	.7171	18.42.1	B	2 12 "
11	26·835	19 62	78.4	7.75	79.1	.0131	.7164	18.42.2	B	3 12 "
12	26.835	19.72	78.3	7.72	78.9	.0246	.7160	18·41.8	B	4 12 "
13	26.698	19.64	78.0	7.81	78·7	.0235	.7170	18.42.4	C	5 12 "
14	26.698	19.60	77.8	7.87	78.4	.0228	.7177	18.42.8	C	6 12 "
15	27·041	19.72	77.5	8.00	78.2	.0246	.7190	18·43.0	C	7 12 "
16	27.384	20·02	77.6	8.05	78.2	.0295	.7197	18.42·7	C	8 12 "
17	28.481	20.24	78.0	7.75	78.2	.0332	.7164	18.40.9	R	9 12 "
18	27.590	20.47	79.0	7.42	79.0	.0370	.7137	18.39.1	R	10 12 "
19	26.492	20.82	80.0	7.29	79.0	.0426	.7113	18.37·7	R	11 12 "
20	24.639	20.74	80.5	7.44	79.7	.0414	.7129	18.38.6	R	Noon.
21	24.570	20.64	80.8	7.85	80.1	.0397	.7175	18·40·5	B	1 12 p. m.
22	25·257	20.37	81.1	8.12	80.5	.0353	.7204	18.42.2	B	2 12 "
23	25.806	20.29	81.0	8.07	80.8	.0340	.7199	18.42.2	B	3 12 "
MAR. 3RD-Noon.	27.041	20.41	79.6	7.77	80.6	.0360	.7166	18.41.6	C	4 12 "
1	25.600	20.20	78.5	7.60	80.0	.0325	.7147	18.40.4	C	5 12 "
2	25.326	19·96	77.2	7.51	78.8	.0285	.7138	18.40.5	C	6 12 "
3	25.875	19·95	76.5	7.66	77.9	.0283	.7154	18.41·4	C	7 12 "
4	25.806	19.81	76.1	7.68	77.5	.0261	.7156	18.41.6	C	8 12 "
5	25.943	19.78	75.9	7.66	77.0	.0256	.7154	18.41.5	R	9 12 "
6	25.875	19.94	75.8	7.69	76.5	.0282	.7157	18.41.5	R	10 12 "
7	25.875	20.04	75.5	7.70	76.5	.0299	.7158	18·41.2	R	11 12 "
8	25.737	20.12	75.5	7.69	76 2	.0311	.7157	18.41.1	R	Midnight.
9	25.806	20.27	75.1	7.60	76.1	.0337	.7147	18.40.3	B	1 12 a. m.
10	26.218	20.20	74.7	7.59	75.8	.0325	.7146	18.40.3	B	2 12 "
11	25.806	20.21	74.6	7.61	75.6	.0327	.7148	18.40.4	B	3 12 "

On the 28th, at about 19h., Dip as obtained by Observation was 19°04'4.
On the 1st, at about 19h. 50m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 3RD TO 5TH MARCH 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Mar. 3rd—12	26·080	20.29	74·8	7.65	75·5	8.0340	2.7153	18°40′5	B	4 12 a. m.
13	25.875	20.26	74.9	7 62	75.5	·0335	.7149	18.40 3	C	5 12 „
14	25.806	20.22	74.4	7.74	75.4	.0328	.7162	18.40.8	C	6 12 „
15	27·178	20.29	74.5	7.85	75.1	.0340	.7175	18·41.3	C	7 12 „
16	27·933	20.62	74.9	7.70	75.4	.0398	.7158	18.39.8	C	8 12 „
17	27.933	21.99	75.5	7.67	75·5	.0471	.7155	18.38·9	R	9 12 „
18	27.109	21.56	76.5	6.98	76·0	.0548	.7079	18.34.7	R	10 12 „
19	25.600	21.79	77.5	6.65	76.4	.0568	.7043	18.33.2	R	11 12 „
20	25·875	21.92	78.5	7.30	77.5	.0606	.7117	18.35.6	R	Noon.
21	27.795	21.67	79.0	7.79	78·1	.0566	.7168	18.38.0	B	1 12 p. m.
22	28.276	21.40	79.1	7.78	78.5	.0522	.7167	18.38.6	B	2 12 „
23	28.413	21.00	79.1	·7.67	78.9	.0456	.7155	18.39.0	B	3 12 „
Mar. 4th-Noon.	27.315	20.58	78.5	7.37	79.0	.0387	.7122	18.38.5	B	4 12 „
1	26.080	20.47	78.0	7.43	79.0	.0370	.7128	18.39.1	C	5 12 „
2	25.600	20.37	76.8	7·40	78.2	.0353	.7125	18.39.2	C	6 12 „
3	26.080	20.38	76.3	7.48	77.6	.0354	.7134	18.39.5	C	7 12 „
4	25.943	20.40	76.0	7.50	77.2	.0358	·7136	18.39.5	C	8 12 „
5	25.875	20.33	76.0	7.55	76.7	.0346	.7142	18.39.8	R	9 12 „
6	25.532	20.35	75.9	7·58	76.0	.0349	.7145	18.40.0	R	10 12 „
7	25.737	20.44	75.8	7.38	76.0	.0365	.7123	18.38.9	R	11 12 „
8	26.080	20.34	75.5	7.48	76.0	.0348	.7134	18.39.5	R	Midnight.
9	25.806	20.32	75.2	7.49	75·8	.0344	.7135	18.39·8	B	1 12 a. m.
10	26.492	20.32	74.7	7·41	75.3	.0344	.7125	18.39.4	B	2 12 „
11	26.218	20.31	74.1	7.43	75.1	.0343	.7128	18.39.5	B	3 12 „
12	26.012	20.24	74·0	7.39	74.6	.0332	.7124	18.39.4	B	4 12 „
13	25.737	20.42	74.0	7.34	74.7	.0361	.7118	18.38.8	C	5 12 „
14	25.326	20.52	74·0	7.34	74.6	·0377	.7118	18.38.6	C	6 12 „
15	24.846	20.67	74.0	7.40	74.4	.0402	.7125	18·38.6	C	7 12 „
16	25.943	20.81	73.9	7.53	74.2	.0425	.7139	18.38.7	C	8 12 „
17	26·561	21.36	74.5	7.15	75.0	.0515	.7098	18.35.9	R	9 12 „
18	24.914	21.73	75.7	6.85	75.0	.0576	.7065	18.33.9	R	10 12 „
19	24.570	21.96	77·0	6.88	76.0	.0613	.7068	18.33.6	R	11 12 „
20	25.051	22.09	78.0	7·01	77.0	.0635	·7082	18.33.7	R	Noon.
21	25.257	21.89	78·4	7.15	77.6	·0602	.7098	18.34.9	B	1 12 p. m.
22	25.394	21.52	78.7	7.16	78.0	.0541	.7099	18.34.7	B	2 12 „
23	26.080	21.48	78.7	7.21	78.6	.0535	.7104	18.35.9	B	3 12 „
Mar. 5th-Noon	25.875	21.26	78.7	7.32	79.0	.0499	.7116	18.36.9	B	4 12 „
1	25.600	20.94	78.0	7.32	78.8	.0446	.7116	18.37.5	C	5 12 „
2	25.326	20.69	76.9	7.39	78.0	.0405	.7124	18.38.4	C	6 12 „
3	25·600	20.52	76.0	7.56	77.1	.0377	.7143	18.39.6	C	7 12 „
4	25.875	20.56	75.9	7.50	76.6	.0384	.7136	18.39.3	C	8 12 „
5	25.669	20.53	76.0	7.55	76·5	.0379	.7142	18.39.5	R	9 12 „
6	25.189	20.53	76.0	7.58	76·0	.0379	.7145	18.39.7	R	10 12 „
7	25.875	20.56	75.9	7.62	76.0	.0384	.7149	18.39.8	R	11 12 „
8	25.737	20.49	75.4	7.68	76.0	.0373	.7156	18.40.2	R	Midnight.
9	26.012	20.50	75.2	7.62	75.6	.0374	.7149	18.39.9	B	1 12 a. m.
10	26.080	20.48	74.9	7.62	75.5	.0371	.7149	18.39.9	B	2 12 „
11	25.943	20.44	74.2	7.63	74·9	.0365	.7150	18.40.0	B	3 12 „
12	26.080	20.50	73.9	7.64	74.6	.0374	.7151	18.40.0	B	4 12 „
13	25.532	20.36	73.4	7.68	74.5′	.0351	.7156	18.40.5	C	5 12 „
14	25.943	20.56	73.2	7.52	74.1	.0384	.7138	18·39.4	C	6 12 „
15	26.904	20.59	73.0	7.79	73.8	.0389	.7168	18.40.3	C	7 12 „
16	27.933	21.12	73.7	8.32	74.0	.0475	.7226	18.41.5	C	8 12 „
17	26.561	21.62	74.7	8.03	74.4	.0557	.7194	18.39·1	R	9 12 „
18	24.846	21.97	75.7	7.55	75.0	.0615	.7142	18.36·3	R	10 12 „
19	24.432	22.14	77.0	7.78	76.0	·0643	.7167	18.37·1	R	11 12 „
20	24·159	21.94	78.3	8.00	77.0	.0610	.7191	18.38.4	R	Noon.
21	25.051	21·37	79.3	8.26	77.9	.0517	.7220	18.40.7	B	1 12 p. m.
22	26.012	21.17	80.1	8.26	78.7	.0484	.7220	18.41.3	B	2 12 „
23	26.561	20.93	80.1	8.20	79.4	.0444	.7213	18.41.5	B	3 12 „

On the 4th, at about 19h. 40m., Dip as obtained by Observation was 19°08′8.

DAILY OBSERVATIONS, FROM 6TH TO 10TH MARCH 1861.

DATE. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1861.
h.										h. m.
MAR. 6TH-Noon.	26·766	20.73	80°2	8.10	79°9	8.0412	2.7202	18°42'4	B	4 12 p. m.
1	26.355	20.59	79.8	7.88	80.0	.0389	.7178	18.40.7	C	5 12 "
2	25.737	20.30	78.3	8.08	79.3	.0341	.7200	18.42.3	C	6 12 "
3	26.080	20.35	77.5	8.19	78.9	.0349	.7212	18.42.5	C	7 12 "
4	26.012	20.41	77.0	8.04	78.0	.0360	.7195	18.41.8	C	8 12 "
5	26.286	20.41	76.7	8.02	77.3	.0360	.7193	18.41.7	R	9 12 "
6	25.875	20.45	76.4	7.91	77.0	.0366	.7181	18.41.1	R	10 12 "
7	26.423	20.48	76.0	7.58	76.0	.0371	.7145	18.39.8	R	11 12 "
8	26.423	20.30	75.0	7·58	76.0	.0341	.7145	18.40.2	R	Midnight.
9	26.080	20.40	74.6	7.59	75.8	.0358	.7146	18·39.9	B	1 12 a. m.
10	25.943	20.59	74.6	7.57	75.5	.0389	.7144	18.39.4	B	2 12 "
11	25·669	20.57	74.4	7.51	75.2	.0386	.7137	18.39.2	B	3 12 "
12	25.532	20.52	73.7	7.51	74.9	.0377	.7137	18.39.4	B	4 12 "
13	25.326	20.52	73.2	7.47	74.1	.0377	.7133	18.39.2	C	5 12 "
14	25.600	20.37	72.9	7.71	73.8	.0353	.7159	18.40.5	C	6 12 "
15	26.080	20.42	72.4	7.78	73.4	.0361	.7167	18.40.7	C	7 12 "
16	26.904	20.71	73.1	7.66	73.4	.0409	.7154	18.39.6	C	8 12 "
17	27.109	21.13	74.5	7.62	74.0	.0477	.7149	18.38.5	R	9 12 "
18	26·561	21.39	75.6	7.55	75.0	.0520	.7144	18.37.7	R	10 12 "
19	26.561	21.51	77.4	7·68	76.0	.0540	.7156	18.38.0	R	11 12 "
20	26.835	21.49	78.9	7.81	77.0	.0537	·7170	18.38.5	R	Noon.
21	26.766	21.46	79.7	8.11	78.1	.0532	.7204	18.39.9	B	1 12 p. m.
22	26.972	21.25	80.5	7.95	79.0	.0497	.7186	18.39.6	B	2 12 "
23	27.247	21.20	81.0	7.75	79.9	.0489	.7164	18.38.8	B	3 12 "
MAR. 7TH-Noon.	26.972	21.23	81.1	7·53	80.4	.0494	.7150	18.38.4	B	4 12 "
1	26.355	21.08	80.7	7.40	80.5	.0469	.7136	18.38.1	C	5 12 "
2	25.600	20.83	79.6	7.50	80.0	.0428	.7147	18.39.1	C	6 12 "
3	25.669	20.68	78·6	7.47	79.0	.0403	.7144	18.39.3	C	7 12 "
4	25.943	20.74	78.0	7.50	78.5	.0414	.7147	18.39.4	C	8 12 "
5	25.600	20.73	77.5	7.49	78.0	.0412	.7146	18.39.3	R	9 12 "
6	25.600	20.68	77.2	7.49	78.0	.0403	.7146	18.39.4	R	10 12 "
7	25.669	20.64	77.0	7.52	77.4	.0397	.7149	18.39.5	R	11 12 "
8	25.943	20.66	76.7	7.61	77.0	.0400	.7159	18.39.9	R	Midnight.
9	26.218	20.65	76.4	7.85	76.8	.0398	.7175	18.40.5	B	1 12 a. m.
10	25·669	20·67	76.2	7.92	76.6	·0402	.7182	18.40.7	B	2 12 "
11	25.326	20.63	75.6	7.81	76.3	.0395	.7170	18.40·3	B	3 12 "
12	25·120	20.61	75.2	7.90	75.9	·0392	.7180	18.40.8	B	4 12 "
13	25,326	20.58	74.9	7.95	75.6	.0387	.7185	18.41.0	C	5 12 "
14	25.532	20·58	74.6	8.01	75.4	.0387	.7192	18·41.2	C	6 12 "
15	27.452	20.73	74.8	8.04	75.4	.0412	.7195	18.41.2	C	7 12 "
16	27.590	20.99	75.5	7.93	75·7	.0454	.7183	18·40.1	C	8 12 "
17	28·001	21.32	76·4	7.68	76.0	·0508	·7156	18.38.4	R	9 12 "
18	27.727	21.60	77.2	7.50	76.5	.0554	·7136	18.37.0	R	10 12 "
19	26.904	21.84	78.5	7.51	77.0	.0594	·7137	18.36.6	R	11 12 "
20	25.943	21·78	79.2	7.69	78.0	.0584	.7157	18.37.6	R	Noon.
21	26.286	21.57	79.9	8.12	79.0	.0550	.7204	18.39.6	B	1 12 p. m.
22	27·315	21.30	80.6	8.19	79.7	.0505	.7213	18.40.6	B	2 12 "
23	27.933	21.00	80.8	80.1	80.2	.0456	.7192	18.40.3	B	3 12 "
MAR. 10TH-Noon.	26.698	19.50	81.0	8.18	81.1	.0210	.7211	18.44.4	C	4 12 "
1	26.904	19.32	80.0	8.03	81.0	.0180	.7194	18.44.1	C	5 12 "
2	26.698	19.20	78.9	8.05	80.0	.0161	.7197	18.44.5	C	6 12 "
3	27.041	19.06	78.1	8.11	79.8	.0138	.7203	18.45.0	C	7 12 "
4	26·904	19.24	78·0	8.77	79.0	.0168	.7276	18.47.4	C	8 12 "
5	26.904	19.37	77.9	8.81	78.6	.0189	.7280	18.47.3	R	9 12 "
6	26.629	19.50	77.6	8.75	78.2	.0210	.7274	18.46.8	R	10 12 "
7	27.247	19.42	77.4	8.92	78.0	.0197	.7292	18.47.6	R	11 12 "
8	26.698	19.75	77·2	8.94	78.0	.0251	.7294	18.47.0	R	Midnight.
9	26.698	19·51	77.0	8.08	77.7	.0212	.7200	18.44.0	B	1 12 a. m.
10	27.178	19.41	76.7	8.03	77.5	.0196	.7193	18.43.8	B	2 12 "
11	27.658	19.43	76.5	8.06	77.2	.0199	.7198	18.44.0	B	3 12 "

On the 7th, at about 19. 45m., Dip as obtained by Observation was 19°08'8.

DAILY OBSERVATIONS, FROM 10TH TO 12TH MARCH 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Mar. 10th—12	27·658	19.36	75·6	8.00	76·5	8.0187	2.7191	18°43′8	B	4 12 a. m.
13	26.835	19.56	75.1	8.00	76.1	.0220	.7191	18.43.4	C	5 12 „
14	27.452	19.53	74.9	8.12	75.7	.0215	.7204	18.43.9	C	6 12 „
15	28.070	19.57	74.8	8.17	75.6	.0222	.7210	18.44.2	C	7 12 „
16	28.276	19.96	75.0	7.95	75.7	.0285	.7185	18.42.3	C	8 12 „
17	27.452	20·58	76.0	7.68	76.0	.0387	.7156	18.39.9	R	9 12 „
18	26.904	21.08	77.5	7·59	77.0	.0469	.7146	18.38.5	R	10 12 „
19	26.012	21.27	79.0	7.64	78.0	.0501	.7151	18.38.3	R	11 12 „
20	25.875	21.19	80.2	7.69	79·0	·0487	.7157	18.38.7	R	Noon
21	25.669	21.21	81.1	7.80	79.6	.0491	.7270	18.39.1	B	1 12 p. m.
22	26.904	20·93	81.2	8.01	80.4	.0444	.7200	18.41.1	B	2 12 „
23	27.521	20.62	81.5	8·05	81.1	.0393	.7197	18.41.5	B	3 12 „
Mar. 11th-Noon.	27.247	20.46	81.6	7.85	81.8	.0368	.7175	18.40.9	B	4 12 „
1	26.492	20.30	81.0	7.70	81·7	.0341	.7158	18.40·7	C	5 12 „
2	25.806	20.09	80.0	7.73	81.0	.0307	.7161	18.41.1	C	6 12 „
3	26.012	19.96	79.6	7.92	80.5	.0285	.7182	18.42.1	C	7 12 „
4	26.218	19.95	79.3	7.94	80.0	.0283	.7184	18.42.4	C	8 12 „
5	26.149	19.87	79.0	7·89	79.5	.0271	.7179	18.42.3	R	9 12 „
6	26.218	19.97	79.0	7.97	79.0	.0287	.7188	18·42.4	R	10 12 „
7	26.286	19.98	78.8	7·97	79·0	.0288	.7188	18.42.4	R	11 12 „
8	26.426	20·03	78·5	7·97	79.0	.0297	.7188	18.42.3	R	Midnight.
9	26·355	20.09	78.0	7.94	78.8	·0307	.7184	18.42.0	B	1 12 a. m.
10	26.218	20.01	77.7	7.96	78.5	.0294	.7187	18·42.4	B	2 12 „
11	26.080	20.14	77.5	7.87	78.2	·0315	.7177	18.41.6	B	3 12 „
12	25.669	20.22	77.3	7.89	78.1	.0328	.7179	18.41.5	B	4 12 „
13	26·080	20.21	77.0	7.94	77.9	·0327	.7184	18.41.7	C	5 12 „
14	26.561	20.29	76.9	8.13	77.5	.0340	.7205	18.42.5	C	6 12 „
15	27.178	20.04	76.9	8.35	77.4	.0299	.7230	18.44.0	C	7 12 „
16	27.864	20.54	76.9	8.53	77.6	·0351	·7249	18.43·7	C	8 12 „
17	27.315	20.77	78.0	8.14	78.0	.0419	.7206	18.41.4	R	9 12 „
18	27.521	21·04	79.5	7.47	79.0	.0463	.7133	18.38.1	R	10 12 „
19	26·423	21.31	82.0	7·75	81.0	.0507	.7164	18.38.6	R	11 12 „
20	25.051	21.92	84.5	7.79	83.1	.0606	.7190	18.38.4	R	Noon.
21	24.295	21.73	86.2	8.12	84.8	.0576	.7204	18.39.3	B	1 12 p. m.
22	25.051	21·46	87.5	8.46	85.3	.0532	.7242	18.41.4	B	2 12 „
23	25.669	21.17	87.1	8.39	85.8	.0484	.7234	18.41.8	B	3 12 „
Mar.12th-Noon.	26.149	20.68	85.5	8.28	85·4	·0403	.7215	18.42.1	B	4 12 „
1	26·492	20.62	85.1	8.32	85.5	.0393	.7226	18.42.6	C	5 12 „
2	26.012	20·46	84.0	8·25	84.9	.0368	.7219	18.42.6	C	6 12 „
3	26.149	20.22	83·2	8.27	84.0	.0328	.7221	18.43.2	C	7 12 „
4	26.492	20.08	82.8	8.32	83.3	.0305	.7226	18.43·8	C	8 12 „
5	26.218	20.07	82.2	8.30	82.8	.0304	.7224	18.43.7	R	9 12 „
6	26.218	20.11	82.0	8.31	82.0	.0310	·7225	18.43.7	R	10 12 „
7	26.218	20.17	81.5	8.41	82.0	.0320	.7236	18.43.9	R	11 12 „
8	26.492	20.08	81.0	8.40	81.5	.0305	.7235	18.44.1	R	Midnight.
9	26.218	20.31	81.0	8.39	81.5	.0343	.7234	18.43·6	B	1 12 a. m.
10	26.355	20.25	80.6	8.39	81.2	·0333	.7234	18.43.7	B	2 12 „
11	26.218	20·23	80.2	8.37	81.1	·0330	.7232	18·43.6	B	3 12 „
12	26.080	20.31	80.1	8.38	80.6	.0343	.7233	18.43.6	B	4 12 „
13	26.355	20.30	80.0	8.43	80.9	.0341	.7238	18.43.8	C	5 12 „
14	26.561	20.44	80.3	8.53	80.9	.0365	.7249	18.43.8	C	6 12 „
15	27.727	20.39	80.5	8.93	81.0	.0356	.7293	18.45.6	C	7 12 „
16	28.619	20.76	80.8	8.88	81.0	.0417	.7288	18.44.6	C	8 12 „
17	28.756	21.32	81.7	8·69	81.7	.0508	.7267	18.42 7	R	9 12 „
18	27.933	21.96	83.6	8.38	82.5	.0613	.7233	18.40.1	R	10 12 „
19	26.492	22.08	84.4	8.00	83.2	.0633	.7191	18.38.1	R	11 12 „
20	25.189	21.97	84.9	8.09	83.7	.0615	.7201	18.38.6	R	Noon.
21	24.432	21.45	85.0	8.34	84.5	.0530	.7239	18.41.3	B	1 12 p. m.
22	24.639	21.28	86.5	8.73	85.5	.0502	.7271	18.42.9	B	2 12 „
23	25.737	21.12	86.7	8.97	86.2	.0475	.7298	18.44.4	B	3 12 „

On the 11th, at about 19h. 20m., Dip as obtained by Observation was 19°11′3.

DAILY OBSERVATIONS, FROM 13TH TO 15TH MARCH 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
MAR. 13TH-Noon.	26'835	21.00	86°6	8.95	86°5	8.0456	2.7296	18°44'4	B	4 12 p. m.
1	26.698	20.90	86.1	8.69	86.3	.0439	.7267	18.43.6	C	5 12 ,,
2	25.737	20.80	85.3	8.40	85.9	.0423	.7235	18.42.6	C	6 12 ,,
3	25.532	20.60	84.7	8.53	85.1	.0390	.7249	18.43.5	C	7 12 ,,
4	25.600	20.49	84.1	8.55	84.9	.0373	.7252	18.43.9	C	8 12 ,,
5	25.600	20.52	84.0	8.52	84.1	.0377	.7228	18.42.9	R	9 12 ,,
6	25.737	20.53	83.6	8.42	84.0	.0379	.7237	18.43.3	R	10 12 ,,
7	26.012	20.44	83.3	8.52	84.0	.0365	.7248	18.43.9	R	11 12 ,,
8	26.012	20.74	83.0	8.51	83.8	.0414	.7247	18.43.3	R	Midnight.
9	26.218	20.75	82.8	8.49	83.8	.0415	.7245	18.43.0	B	1 12 a. m.
10	26.492	20.57	82.3	8.50	83.4	.0386	.7246	18.43.4	B	2 12 ,,
11	26.492	20.50	82.2	8.39	83.0	.0374	.7234	18.43.2	B	3 12 ,,
12	26.766	20.42	81.6	8.38	82.6	.0361	.7233	18.43.3	B	4 12 ,,
13	26.561	20.70	81.4	8.43	82.6	.0407	.7238	18.42.9	C	5 12 ,,
14	26.629	20.51	81.0	8.54	82.0	.0376	.7250	18.43.8	C	6 12 ,,
15	27.247	20.36	81.0	8.61	82.0	.0351	.7258	18.44.4	C	7 12 ,,
16	28.824	20.47	81.8	8.57	82.2	.0370	.7254	18.44.0	C	8 12 ,,
17	28.481	20.56	82.3	8.08	82.5	.0384	.7200	18.41.8	R	9 12 ,,
18	27.590	20.75	83.0	7.85	82.8	.0415	.7175	18.40.2	R	10 12 ,,
19	26.286	21.18	84.7	7.51	83.5	.0485	.7137	18.37.9	R	11 12 ,,
20	25.189	20.97	85.5	7.74	84.5	.0451	.7162	18.38.2	R	Noon.
21	24.363	20.85	86.2	8.05	85.1	.0431	.7197	18.41.0	B	1 12 p. m.
22	24.502	20.60	86.6	8.39	85.6	.0390	.7234	18.42.9	B	2 12 ,,
23	24.707	20.20	86.6	8.45	86.2	.0325	.7241	18.44.0	B	3 12 ,,
MAR. 14TH-Noon.	25.600	20.17	086.	8.54	86.2	.0320	.7250	18.44.5	B	4 12 ,,
1	25.669	20.43	85.0	8.44	85.8	.0363	.7239	18.43.5	C	5 12 ,,
2	25.189	20.77	84.2	8.35	85.1	.0419	.7230	18.42.4	C	6 12 ,,
3	25.532	20.17	84.0	8.41	85.0	.0320	.7236	18.43.9	C	7 12 ,,
4	25.875	19.84	83.9	8.54	84.4	.0266	.7250	18.45.2	C	8 12 ,,
5	26.149	20.02	83.7	8.44	84.0	.0295	.7239	18.44.3	R	9 12 ,,
6	26.904	20.04	83.0	8.52	84.0	.0299	.7248	18.44.7	R	10 12 ,,
7	26.080	20.39	83.0	8.42	84.0	.0356	.7237	18.43.5	R	11 12 ,,
8	25.806	20.37	83.0	8.41	83.7	.0353	.7236	18.43.5	R	Midnight.
9	26.080	20.18	82.4	8.41	83.5	.0321	.7236	18.43.9	B	1 12 a. m.
10	25.669	20.37	82.2	8.29	83.0	.0353	.7223	18.43.0	B	2 12 ,,
11	25.532	20.37	82.1	8.36	82.8	.0353	.7231	18.43.3	B	3 12 ,,
12	25.669	20.29	81.6	8.36	82.5	.0340	.7231	18.43.5	B	4 12 ,,
13	25.943	20.25	81.6	8.37	82.2	.0333	.7232	18.43.6	C	5 12 ,,
14	26.218	20.28	81.3	8.47	82.2	.0338	.7243	18.44.0	C	6 12 ,,
15	27.247	20.30	81.1	8.46	82.1	.0341	.7242	18.43.9	C	7 12 ,,
16	27.590	20.57	81.8	8.28	82.6	.0386	.7222	18.42.4	C	8 12 ,,
17	26.904	20.90	82.0	8.06	82.0	.0439	.7198	18.40.9	R	9 12 ,,
18	25.875	21.39	83.0	7.70	82.5	.0520	.7158	18.38.3	R	10 12 ,,
19	25.189	21.53	83.2	7.79	83.0	.0543	.7168	18.38.4	R	11 12 ,,
20	24.502	21.57	84.0	7.76	83.5	.0550	.7165	18.38.1	R	Noon.
21	24.295	21.29	84.6	7.84	84.1	.0504	.7173	18.39.1	B	1 12 p. m.
22	24.826	21.29	85.0	8.02	84.8	.0504	.7193	18.39.9	B	2 12 ,,
23	24.502	21.29	85.2	8.14	85.2	.0504	.7207	18.40.5	B	3 12 ,,
MAR. 15TH-Noon.	24.846	20.82	84.9	8.17	85.5	.0426	.7210	18.41.5	B	4 12 ,,
1	25.189	20.64	84.1	8.16	85.2	.0397	.7209	18.41.8	C	5 12 ,,
2	25.051	20.54	83.3	8.20	84.7	.0381	.7213	18.42.3	C	6 12 ,,
3	25.669	20.57	82.9	8.21	83.8	.0386	.7214	18.42.1	C	7 12 ,,
4	25.669	20.41	82.0	8.19	83.0	.0360	.7212	18.42.4	C	8 12 ,,
5	25.737	20.34	81.6	8.18	82.7	.0348	.7211	18.42.5	R	9 12 ,,
6	25.532	20.42	81.5	8.17	82.5	.0361	.7210	18.42.4	R	10 12 ,,
7	25.875	20.45	81.4	8.26	82.1	.0366	.7220	18.42.7	R	11 12 ,,
8	26.080	20.46	81.1	8.26	82.0	.0368	.7220	18.42.7	R	Midnight.
9	25.669	20.58	81.0	8.22	81.9	.0387	.7215	18.42.2	B	1 12 a. m.
10	26.149	20.36	80.9	8.36	81.9	.0351	.7231	18.43.3	B	2 12 ,,
11	26.218	20.49	80.5	8.30	81.5	.0373	.7224	18.42.8	B	3 12 ,,

On the 14th, at about 19h. 30m., Dip as obtained by Observation was 19°11'9.
On the 15th, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 15TH TO 18TH MARCH 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Mar. 15th—12	25°737	20.56	80°2	8.29	81°2	8.0384	2.7223	18°42′7	B	4 12 a. m.
13	25.189	20.67	80·4	8.23	81.0	.0402	.7216	18.42.1	C	5 12 „
14	25.737	20.40	80·0	8.38	80.8	.0358	.7223	18.42.9	C	6 12 „
15	26.904	20.80	80.3	8.40	80.8	.0423	.7235	18.42.6	C	7 12 „
16	27.933	21.09	80.5	8.18	81.0	·0471	.7211	18.41.0	C	8 12 „
17	28.001	21.40	81.0	7.85	81.0	.0522	.7175	18.38.9	R	9 12 „
18	27.933	21.67	81.8	7.75	81.6	.0566	.7164	18.37.8	R	10 12 „
19	26·286	21.75	82.5	7.56	82·0	.0579	.7143	18.37.0	R	11 12 „
20	25.394	21.68	83.1	7.70	82.5	.0567	.7158	18.37.7	R	Noon.
21	25.051	21.37	83·6	7.89	83.0	.0517	.7179	18.39.0	B	1 12 p. m.
22	25.394	20.92	84·1	8.16	83.5	.0442	.7209	18·41.3	B	2 12 „
23	25.943	20.88	84.3	8.20	84.0	.0436	.7213	18.41.5	B	3 12 „
Mar. 17th-Noon.	26.904	20.79	83.0	8·15	83.8	.0422	.7208	18.41·5	C	4 12 „
1	26.492	20.60	82.1	8.20	83.4	.0390	.7213	18.42.1	C	5 12 „
2	25.532	20.40	81.0	7.94	82.7	.0358	·7184	18·41.3	C	6 12 „
3	25.806	20.40	80.3	8.00	·81.6	.0358	.7191	18.41.6	C	7 12 „
4	25.943	20.36	80.0	8.04	81.2	.0351	.7195	18·41.9	C	8 12 „
5	25.875	20.46	79.8	7.93	81·0	.0368	.7183	18.41·2	R	9 12 „
6	25.875	20.46	79.6	7.94	80.5	.0368	·7184	18.41.2	R	10 12 „
7	25.875	20.41	79.2	8.01	80.2	.0360	.7192	18.41.6	R	11 12 „
8	26.218	20.42	79.0	8·10	80.0	.0361	.7202	18·42·0	R	Midnight.
9	26.423	20.27	78.8	8.10	80.0	·0337	·7202	18.42.3	B	1 12 a. m.
10	26.218	20.45	78.6	8.09	79.6	·0366	.7201	18·41.9	B	2 12 „
11	26.355	20.43	78.2	8.09	79.0	.0363	.7201	18.42·1	B	3 12 „
12	25.875	20.46	78.1	8.11	79.0	.0368	.7203	18.42·1	B	4 12 „
13	25.669	20.40	77.8	8.06	78.7	.0358	.7198	18.41·9	C	5 12 „
14	25.943	20.35	77.6	8.20	78.2	.0349	.7213	18.42·6	C	6 12 „
15	27.109	20·36	77.3	8.01	78.2	.0351	.7192	18.41.7	C	7 12 „
16	27.933	20.57	77.9	7.72	78.6	.0386	.7160	18.40 0	C	8 12 „
17	27.933	20.94	78.3	7.47	79.0	·0446	.7133	18.38.2	R	9 12 „
18	26.218	21.35	79.7	6.98	79.4	·0513	.7079	18.35.3	R	10 12 „
19	24.639	21.66	80.6	6.80	80.0	.0564	.7059	18.33.7	R	11 12 „
20	24.295	21.62	81.5	7.38	80.9	.0557	.7123	18.36·4	R	Noon.
21	24.159	21.40	82.0	7.70	81.5	.0522	.7158	18·38.3	B	1 12 p. m.
22	25.189	21.15	82.5	7.86	82.1	.0480	.7176	18.39.5	B	2 12 „
23	25.875	21.17	82·8	7.88	82.6	.0484	·7178	18.39·6	B	3 12 „
Mar. 18th-Noon.	25.943	21·17	83.1	7.84	83.1	.0484	.7173	18.39.4	B	4 12 „
1	25.875	20.86	82.8	7·75	83.4	.0433	.7164	18.39.6	C	5 12 „
2	25.600	20.44	82·0	7.83	83.0	.0365	·7172	18.40.7	C	6 12 „
3	25.189	20.58	81.0	7.97	82·3	.0387	.7188	18.41.1	C	7 12 „
4	25.600	20.47	80·8	8.01	82.0	·0370	.7192	18.41.5	C	8 12 „
5	26.423	20·02	80.1	7.90	81.6	.0295	.7180	18.42.0	B	9 12 „
6	26.080	20.17	80.0	7.89	81·2	.0320	.7179	18.41·6	B	10 12 „
7	25.532	20.31	79·5	7.98	80·6	.0343	.7189	19.41·8	B	11 12 „
8	25.875	20·42	79.0	8.01	80.3	.0361	.7192	18.41.6	B	Midnight.
9	25·600	20.44	79.0	7.94	80.0	.0365	.7184	18.41.2	C	1 12 a. m.
10	25·875	20.40	78.9	7.95	79.8	.0358	.7186	18.41.4	C	2 12 „
11	25.669	20.36	78.5	7.95	79.5	.0351	.7186	18.41.5	C	3 12 „
12	25·806	20.26	78·1	7.98	79.2	.0335	.7189	18.41.8	C	4 12 „
13	26.012	20·40	77.9	7.97	79.0	.0358	.7188	18.41.5	N	5 12 „
14	26·561	20.36	77.3	8.06	78.7	.0351	.7198	18.42.0	N	6 12 „
15	28.138	20.46	77.3	8.20	78.3	.0368	.7213	18.42.4	N	7 12 „
16	29.030	20.67	77.9	8.06	78.5	.0402	.7198	18.41.4	N	8 12 „
17	28.481	21.21	78·6	7.72	79.0	.0489	.7160	18.38.7	B	9 12 „
18	26·492	21.73	79.6	7.40	80.0	.0576	.7125	18.36.3	B	10 12 „
19	25.326	21·95	81.5	7.38	80.9	.0611	·7123	18.35.8	B	11 12 „
20	24.570	21.89	82.5	7.55	81.6	.0602	.7142	18·36.6	B	Noon.
21	24.502	21.74	83.0	8.00	82.1	·0578	.7191	18.38·8	C	1 12 p. m.
22	25·394	21.38	83.2	8.09	83.0	.0518	.7201	18.39.9	C	2 12 „
23	26.423	21.18	83·5	8.01	80.5	.0484	.7192	18·40.1	C	3 12 „

On the 18th, at about 19h. 45m., Dip as obtained by Observation was 18°39·0.

DAILY OBSERVATIONS, FROM 19TH TO 21ST MARCH 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Mar. 19th-Noon.	26·492	20.83	83°5	7.87	84°0	8.0428	2.7177	18°40′2	C	4 12 p. m.
1	26.423	20.47	83.0	7.82	83.9	.0370	.7171	18.40.7	B	5 12 „
2	26.286	20.47	82.0	7.75	83.0	.0370	.7164	18.40.4	B	6 12 „
3	26.423	20.20	81.1	7.88	82.5	.0325	.7178	18.41.5	B	7 12 „
4	26.629	20.15	80.9	7.85	82.3	.0316	.7175	18.41.5	B	8 12 „
5	26.423	19.91	80.8	7.86	82.0	.0277	.7176	18.42.1	C	9 12 „
6	26.286	20.04	80.8	7.93	81.8	.0299	.7183	18.42.1	C	10 12 „
7	26.904	19.87	80.0	7.97	81.1	.0271	.7188	18.42.7	C	11 12 „
8	26.355	20.27	79.5	7.98	80.9	.0337	.7189	18.41.8	C	Midnight.
9	26.080	20.41	79.5	8.04	80.7	.0360	.7195	18.41.8	B	1 12 a. m.
10	26.904	20.14	79.5	8.03	80.4	.0315	.7194	18.42.2	B	2 12 „
11	26.492	20.11	79.2	8.03	80.3	.0310	.7194	18.42.4	B	3 12 „
12	26.492	20.13	79.2	8.05	80.1	.0313	.7197	18.42.6	B	4 12 „
13	26.218	20.15	79.1	8.00	80.0	.0316	.7191	18.42.1	N	5 12 „
C 14	26.012	20.15	79.0	8.04	79·8	.0316	.7195	18.42.3	N	6 12 „
15	26.492	20.64	79.1	8.24	79.8	.0397	.7217	18.42.2	N	7 12 „
16	27.658	20.91	79.7	8.30	79.9	.0441	.7224	18.41.9	N	8 12 „
17	26.972	21.50	80.3	8.06	80.4	.0538	.7198	18.39.6	C	9 12 „
18	26.904	21.53	81.3	8.13	81.0	.0543	.7205	18.39.9	C	10 12 „
19	25.257	21.65	82.2	7.91	82.0	.0562	.7181	18.38.6	C	11 12 „
20	24.639	21.68	82.5	7.97	82.9	.0567	.7188	18.38.8	C	Noon.
21	24.914	21.62	84.3	8.10	83.2	.0557	.7202	18.39.4	B	1 12 p. m.
22	25.463	21.44	84.6	8.16	84.0	.0529	.7209	18.40.1	B	2 12 „
23	26.355	21.14	84.7	8.15	84.4	.0479	.7208	18.41.8	B	3 12 „
Mar. 20th-Noon.	27.109	20.64	84.6	8.10	84.9	.0397	.7202	18.41.5	B	4 12 „
1	26.355	20.74	84.1	8.00	85.0	.0414	.7191	18.41.0	C	5 12 „
2	25.600	20.44	83.0	7.98	84.2	.0365	.7189	18.41.4	C	6 12 „
3	27.109	19.75	82.2	8.16	84.5	.0251	.7209	18.43.7	C	7 12 „
4	26.698	19.86	81.9	8.25	83.9	.0269	.7219	18.43.9	C	8 12 „
5	25.875	20.09	81.6	8.28	82.5	.0307	.7222	18.43.5	B	9 12 „
6	25.875	20.22	81.2	8.32	82.2	.0328	.7226	18.43.4	B	10 12 „
7	25.875	20.12	80.6	8.40	82.1	.0311	.7235	18.44.1	B	11 12 „
8	26.149	20.29	80.2	8.40	81.5	.0340	.7235	18.43.7	B	Midnight.
9	26.423	20.20	79.7	8.08	81.0	.0325	.7200	18.42.4	C	1 12 a. m.
10	26.149	20.28	79.4	8.12	80.8	.0338	.7204	18.42.4	C	2 12 „
11	26.355	20.33	79.2	8.13	80.2	.0346	.7205	18.42.3	C	3 12 „
12	25.943	20.38	79.0	8.15	80.1	.0354	.7208	18.42.4	C	4 12 „
13	26.149	20.80	78.8	8.22	80.0	.0259	.7215	18.43.9	N	5 12 „
14	27.041	20.36	78.5	8.26	79.7	.0351	.7220	18.42.9	N	6 12 „
15	27.384	20.63	78.9	8.29	79.5	.0395	.7223	18.42.4	N	7 12 „
16	28.001	21.01	79.5	8.24	79.8	.0458	.7217	18.41.4	N	8 12 „
17	27.933	21.42	80.4	8.15	80.2	.0525	.7208	18.40.1	B	9 12 „
18	27.041	21.74	81.1	7.90	80.8	.0578	.7180	18.38.4	B	10 12 „
19	25.737	21.93	82.2	7.85	81.7	.0608	.7175	18.37.8	B	11 12 „
20	24.570	21.84	82.9	7.96	82.5	.0594	.7187	18.38.5	B	Noon.
21	24.846	21.58	83.5	8.17	82.9	.0551	.7210	18.39.9	C	1 12 p. m.
22	25.669	21.08	83.6	8.21	83.5	.0469	.7214	18.41.1	C	2 12 „
23	26.423	20.60	83.3	8.21	83.9	.0390	.7214	18.42.1	C	3 12 „
Mar. 21st-Noon.	26.629	20.47	83.4	7.88	84.2	.0370	.7178	18.41.0	C	4 12 „
1	25.532	20.44	83.0	7.85	84.1	.0365	.7175	18.40.9	N	5 12 „
2	25.532	20.34	82.0	8.05	83.3	.0348	.7197	18.42.0	N	6 12 „
3	26.012	20.35	81.2	8.08	82.8	.0349	.7200	18.42.1	N	7 12 „
4	26.218	20.32	81.0	8.11	82.0	.0344	.7203	18.42.4	N	8 12 „
5	26.080	20.32	80.7	8.07	81.7	.0344	.7199	18.42.2	B	9 12 „
6	25.943	20.33	80.5	8.11	81.5	.0346	.7203	18.42.2	B	10 12 „
7	26.080	20.39	80.5	8.18	81.2	.0356	.7211	18.42.4	B	11 12 „
8	26.012	20.52	80.1	8.22	81.1	.0377	.7215	18.42.4	B	Midnight.
9	26.218	20.53	79.9	8.18	80.7	.0379	.7211	18.42.3	C	1 12 a. m.
10	26.423	20.44	79.7	8.23	80.4	.0365	.7216	18.42.5	C	2 12 „
11	26.286	20.46	79.0	8.23	80.2	.0368	7216	18.42.5	C	3 12 „

On the 21st, at about 19h. 30m., Dip as obtained by Observation was 19°03′8.

DAILY OBSERVATIONS, FROM 21ST TO 24TH MARCH 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
MAR. 21ST—12	26°286	20.47	78°7	8.19	79°8	8.0370	2.7212	18°42'3	C	4 12 a. m.
13	26.080	20.53	78.5	8.19	79·5	.0379	.7212	18.42.2	N	5 12 ,,
14	26.012	20.58	78·4	8.23	79.2	.0387	.7222	18.42·4	N	6 12 ,,
15	26.972	20.76	78.4	8.32	79.0	.0417	.7226	18.42·2	N	7 12 ,,
16	27.658	21.15	78.9	8.08	79.2	.0480	.7200	18·40.5	N	8 12 ,,
17	27.178	21.81	79.8	7·99	79·6	.0589	.7190	18.38·6	B	9 12 ,,
18	26.218	22.08	80.6	7.91	80.3	.0633	.7181	18·37.7	B	10 12 ,,
19	25.326	22·29	81.6	7.93	81.0	.0668	.7183	18.37.3	B	11 12 ,,
20	24.639	22·08	82.3	8.06	81.9	.0633	.7198	18.38.4	B	Noon.
21	24.502	21.93	83·1	8.16	82.6	.0608	.7209	18.39.1	C	1 12 p. m
22	25.051	21.60	83.5	8.06	83.2	.0556	.7198	18.39.4	C	2 12 ,,
23	25·669	21.24	83.7	8.06	83.7	.0496	.7198	18.40.1	C	3 12 ,,
MAR. 22ND-Noon.	25.669	21.07	83.5	8.02	84.0	.0468	.7193	18.40.3	C	4 12 ,,
1	25.394	21.04	83.0	8.02	84.0	·0463	.7193	18.40.4	N	5 12 ,,
2	25.189	20.94	81.9	8·11	83.1	·0446	.7203	18.40.9	N	6 12 ,,
3	25.257	20·80	81.0	8.08	82.5	.0423	.7200	18.41.2	N	7 12 ,,
4	25.463	20.72	80·3	8.16	81·9	.0410	.7209	18.41.7	N	8 12 ,,
5	25.737	20.47	80.1	8.19	81.2	.0370	.7212	18.42.3	B	9 12 ,,
6	25.257	20.66	79.8	8.33	81.1	.0400	.7227	18.42.6	B	10 12 ,,
7	25.875	20.68	79.6	8·37	80.5	.0403	·7232	18.42·7	B	11 12 ,,
8	26.149	20.70	79.5	8.39	80.3	.0407	.7234	18·42.7	B	Midnight.
9	25.669	20·82	79.5	8.40	80.1	.0426	.7235	18.42.5	C	1 12 a. m
10	26.286	20·70	79.2	8.38	80.0	·0407	.7233	18.42.7	C	2 12 ,,
11	25.943	20.57	78.9	8·35	79.9	.0386	.7230	18.42.8	C	3 12 ,,
12	24.846	20.64	78.8	8.42	79.8	.0397	.7237	18.42.9	C	4 12 ,,
13	25.394	20.53	78.8	8.45	79.7	.0379	.7241	18.43.4	N	5 12 ,,
14	26.218	20.58	78.1	8.57	79.1	.0387	.7254	18.43.7	N	6 12 ,,
15	27.384	20.55	78.2	8·55	79.0	.0382	.7252	18.43.8	N	7 12 ,,
16	28·138	21·08	78.8	8.18	79.2	·0469	.7211	18·41·0	N	8 12 ,,
17	28.276	21.43	79.6	8.05	79·9	.0527	.7197	18.39.7	B	9 12 ,,
18	27.590	21.78	80.4	7.86	80·3	.0584	.7176	18.38.2	B	10 12 ,,
19	25.943	22.00	81.3	7.72	80·7	.0620	·7160	18.37·0	B	11 12 ,,
20	24.432	21.81	82.0	7·50	81.5	.0589	.7136	18.36.5	B	Noon.
21	23.953	21.41	82.5	7.81	82.0	.0524	.7170	18.38.7	C	1 12 p. m.
22	24.226	21.25	83.0	8.08	82.7	.0497	.7200	18.40.2	C	2 12 ,,
23	25.600	20.97	83.2	8·32	83.2	.0419	.7226	18·42.2	C	3 12 ,,
MAR. 24TH-Noon.	26.218	20.62	83.2	8.40	83.9	·0393	.7235	18.43.0	B	4 12 ,,
1	26.012	20.56	82.5	8.21	83.6	.0384	.7214	18·42.3	B	5 12 ,,
2	25.257	20.49	81.5	8·23	82.8	.0373	.7216	18.42 5	B	6 12 ,,
3	25.394	20.44	80.5	8.29	82.2	.0365	.7223	18.42.8	B	7 12 ,,
4	25.394	20.41	80.3	8.33	81.6	.0361	.7227	18.43.1	B	8 12 ,,
5	25.394	20.50	80·0	8.32	81.2	·0374	.7226	18.42.9	C	9 12 ,,
6	25.669	20.50	80.0	8.35	81.0	.0374	.7219	18.42.6	C	10 12 ,,
7	26·012	20.56	79.8	8.32	80.8	.0384	.7226	18.42.8	C	11 12 ,,
8	26.080	20.58	79.6	8.33	80.4	.0387	.7227	18.42.7	C	Midnight.
9	26.286	20.51	79.4	8.39	80.3	.0376	.7234	18.43.1	B	1 12 a. m.
10	26.286	20.52	79.3	8·31	80.2	.0377	.7225	18.42.8	B	2 12 ,,
11	26.080	20.55	79.1	8.30	80.0	.0382	·7223	18.42.7	B	3 12 ,,
12	25.875	20.55	78.9	8·31	79.7	.0382	.7225	18.42.8	B	4 12 ,,
13	25.669	20.58	78.5	8.35	79.5	.0387	.7240	18.43.2	N	5 12 ,,
14	25.806	20.72	78.7	8.54	79.3	.0410	.7250	18.43.4	N	6 12 ,,
15	27.452	20.72	78.7	8.62	79.2	.0410	.7259	18.43·7	N	7 12 ,,
16	28.893	21.09	79.2	8.37	79.6	.0471	.7232	18.41.8	N	8 12 ,,
17	29 579	21.34	80.0	8·10	80.0	.0512	.7202	18.40.1	C	9 12 ,,
18	28.962	21.61	80.7	7.66	80.4	.0556	.7154	18.37.6	C	10 12 ,,
19	25·806	21.81	81 5	7.51	81.0	.0589	.7137	18.36.6	C	11 12 ,,
20	24.570	21.62	82.2	7.56	82.0	.0557	.7143	18.37.2	C	Noon.
21	25.189	21.30	83.1	8·07	82.4	.0505	.7199	18.40.0	R	1 12 p. m.
22	25.669	20·78	83.5	8.30	83.0	.0426	.7224	18.42.1	R	2 12 ,,
23	26.835	20·37	83.5	8.42	83.4	.0353	.7237	18.43.5	R	3 12 ,,

On the 22nd, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 25TH TO 29TH MARCH 1861.

Date. Göttingen Mean Time, 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Mar. 25th-Noon.	26·972	20.30	83°3	8.16	83°7	8.0341	2.7209	18°42′6	B	4 12 p. m.
1	26.012	20.26	82.8	8.01	83.8	.0335	.7192	18.41.9	C	5 12 ,,
2	26.080	20·26	82.0	8.19	83 1	.0435	.7212	18.42.7	C	6 12 ,,
3	26·286	19.88	81.0	8.27	82.2	.0272	·7221	18.44.0	C	7 12 ,,
4	26·835	19.64	80.7	8.36	81.9	.0235	.7231	18.44.8	C	8 12 ,,
5	26.972	19.48	80.5	8.38	81.6	.0207	.7233	18.45.3	B	9 12 ,,
6	27.149	19.42	80.1	8.39	81.2	.0197	.7234	18.45.4	B	10 12 ,,
7	26.904	19.77	79.7	8.27	80.7	.0255	.7221	18.44.1	B	11 12 ,,
8	27.178	19.51	79.5	8.30	80.5	.0212	.7224	18.44.9	B	Midnight.
9	26.904	19.55	79.2	8.31	80.3	.0218	.7225	18·44·8	C	1 12 a. m.
10	26.766	19.96	79.0	8.20	79.9	.0285	.7213	18.43.4	C	2 12 ,,
11	26.423	19.73	78.9	8.19	79·6	.0248	.7212	18.43.8	C	3 12 ,,
12	26.561	19.79	78.4	8.20	79.4	.0258	.7213	18.33·8	C	4 12 ,,
13	26.972	19·71	78.2	8.27	79.0	·0245	.7221	18.44.2	N	5 12 ,,
14	28.207	19.68	78.0	8.38	78.8	.0241	.7233	18.44.9	N	6 12 ,,
15	28.756	19.83	77.6	8.28	78.8	.0264	.7222	18.44.1	N	7 12 ,,
16	28·207	20.39	78·0	8.07	79.0	.0356	.7199	18.41.9	N	8 12 ,,
17	27·315	20 64	79.1	7.80	79·3	.0397	·7169	18.40.2	B	9 12 ,,
18	25.737	20.98	80.4	7.60	80.0	.0452	·7147	18·38.8	B	10 12 ,,
19	24.021	21.03	81.2	7.62	80.7	.0461	.7149	18.38.7	B	11 12 ,,
20	23.746	20·93	82.1	7.90	81.5	.0444	.7180	18.40.2	B	Noon.
21	23.746	20.84	82.8	8·01	82.2	.0430	.7192	18.40.7	C	1 12 p. m.
22	24.983	20·72	83.0	8.21	83.0	.0410	.7214	18.41.9	C	2 12 ,,
23	25.218	20.44	83.0	8.24	83.1	.0365	.7217	18.42.6	C	3 12 ,,
Mar. 27th-Noon.	26.149	20.63	83.6	8.06	84.1	.0395	.7198	18.41.4	C	4 12 ,,
1	25.669	20.55	82.9	7·97	84·0	·0382	.7188	18 41.3	C	5 12 ,,
2	25.189	20.40	81.9	8.07	83.1	.0358	.7199	18.41.9	C	6 12 ,,
3	25.875	20.23	81.3	8.19	82·9	.0330	.7212	18.42.8	C	7 12 ,,
4	26.561	20.16	80.9	8.18	82.1	.0318	.7211	18.42.9	C	8 12 ,,
5	26.492	19.87	80.3	8.25	81.5	.0271	.7219	18.43.9	B	9 12 ,,
6	26.286	20.07	80.1	8.05	81.0	.0304	.7197	18.42.7	B	10 12 ,,
7	26·492	20.10	80.0	8·33	81.0	.0308	.7227	18.43.8	B	11 12 ,,
8	26.492	20·14	79.9	8.27	80.7	.0315	.7221	18·43.3	B	Midnight.
9	26.218	20.15	79.7	8.26	80·4	.0316	.7220	18.43.3	C	1 12 a. m.
10	26·904	20·09	79.4	8.28	80.3	.0307	·7222	18.43.5	C	2 12 ,,
11	26.561	20.10	79.1	8.25	80.0	.0308	.7219	18.43.4	C	3 12 ,,
12	25.875	20.37	79.0	8.22	79.9	.0353	.7215	18.42.7	C	4 12 ,,
13	26.492	20·27	78.5	8.29	79.5	.0337	.7223	18.43.2	N	5 12 ,,
14	26.972	20.25	78.6	8.42	79.4	.0333	.7237	18.43.9	N	6 12 ,,
15	28.962	20.23	78.1	8.37	79.0	.0330	.7232	18·43.6	N	7 12 ,,
16	29.099	20.57	79.0	8.29	79.5	.0386	.7223	18.42.5	N	8 12 ,,
17	28.828	21.25	80.0	7·95	80.1	.0497	·7186	18.39.6	C	9 12 ,,
18	28.070	21·67	81.2	7.75	81.7	.0566	.7164	18.37.8	C	10 12 ,,
19	25.875	21.80	82.5	7.51	82·0	.0587	.7137	18.36.6	C	11 12 ,,
20	24.021	21.76	83.4	7.64	82.9	.0581	.7151	18.37.3	C	Noon.
21	23.816	21.39	84.1	7.88	83.4	.0525	.7178	18.38.9	B	1 12 p. m.
22	24.226	21.14	84.5	8.10	84.1	.0479	.7202	18.40.5	B	2 12 ,,
23	25.806	20.80	84·7	8·24	84.8	.0423	.7217	18.41.9	B	3 12 ,,
Mar. 29th-Noon.	25.532	20.92	84.3	7.95	85.1	.0442	.7186	18.40.4	N	4 12 ,,
1	25.737	20.69	83.6	7.95	85.0	.0405	.7186	18.40.8	B	5 12 ,,
2	25.669	20.53	83.0	7.93	84.2	.0379	.7183	18.41.1	B	6 12 ,,
3	25.737	20·37	82·5	8.01	83.7	·0353	.7192	18.41.7	B	7 12 ,,
4	25.737	20.41	82.2	8.01	83.5	.0360	.7192	18.41.6	B	8 12 ,,
5	25.669	20.41	82.0	8.05	83.2	.0360	.7197	18.41.9	C	9 12 ,,
6	25.737	20·40	81.6	8.07	82.8	.0358	.7199	18.41.9	C	10 12 ,,
7	26.355	20.28	81.3	8.08	82.8	.0338	.7200	18.42.3	C	11 12 ,,
8	26.218	20.52	81.4	8.06	82.7	.0377	.7198	18.41.7	C	Midnight.
9	26.423	20·49	81.3	8.08	82.5	·0373	.7200	18.41.9	B	1 12 a, m.
10	26·080	20.42	81.3	8.07	82.4	.0361	.7199	18.41.9	B	2 12 ,,
11	26.012	20.37	81.3	8.07	82.4	.0353	.7199	18.42.0	B	3 12 ,,

On the 25th, at about 19h. 40m., Dip as obtained by Observation was 18°53′8.
On the 29th, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 29TH MARCH TO 1ST APRIL 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Mar. 29th—12	25'875	20.35	81°1	8.06	82°1	8.0349	2.7198	18°42'0	B	4 12 a.m.
13	25.875	20.36	81.0	8.06	82.0	.0351	.7198	18.42.0	N	5 12 ,,
14	26.149	20.33	80.6	8.20	81.5	.0346	.7213	18.42.6	N	6 12 ,,
15	27.590	20.38	80.9	8.35	81.7	.0354	.7230	18.43.3	N	7 12 ,,
16	28.824	20.91	81.3	8.06	82.0	.0441	.7198	18.40.9	N	8 12 ,,
17	29.305	21.53	82.5	7.91	82.7	.0543	.7181	18.38.9	C	9 12 ,,
18	28.413	21.93	83.2	7.49	83.6	.0608	.7135	18.36.3	C	10 12 ,,
19	26.766	21.97	84.0	7.26	83.8	.0615	.7110	18.35.1	C	11 12 ,,
20	24.432	22.10	84.9	7.18	84.6	.0636	.7096	18.34.3	C	Noon.
21	22.991	21.80	85.6	7.30	85.1	.0587	.7114	18.35.6	B	1 12 p.m.
22	23.130	21.52	85.7	7.77	85.6	.0541	.7166	18.38.3	B	2 12 ,,
23	24.226	21.28	85.6	8.08	86.1	.0502	.7200	18.40.2	B	3 12 ,,
Mar. 31st-Noon.	26.561	21.12	85.0	8.09	86.4	.0475	.7201	18.40.5	C	4 12 ,,
1	26.355	20.89	84.5	7.93	86.0	.0438	.7183	18.40.3	C	5 12 ,,
2	25.394	20.58	83.8	7.85	85.0	.0387	.7175	18.40.6	C	6 12 ,,
3	25.189	20.44	83.0	7.89	84.7	.0365	.7179	18.41.0	C	7 12 ,,
4	26.218	20.54	82.8	7.94	84.1	.0381	.7184	18.41.1	C	8 12 ,,
5	26.286	20.29	82.2	7.99	83.5	.0340	.7190	18.41.9	B	9 12 ,,
6	25.737	20.26	82.0	8.03	83.2	.0335	.7194	18.42.0	B	10 12 ,,
7	25.806	20.45	82.0	8.09	83.1	.0366	.7202	18.41.9	B	11 12 ,,
8	25.806	20.66	81.9	8.09	83.1	.0400	.7202	18.41.5	B	Midnight.
9	25.532	20.68	81.8	8.09	83.0	.0403	.7202	18.41.5	C	1 12 a.m.
10	25.669	20.69	81.6	8.10	82.8	.0405	.7202	18.41.4	C	2 12 ,,
11	25.532	20.71	81.5	8.13	82.7	.0409	.7205	18.41.6	C	3 12 ,,
12	25.806	20.61	81.7	8.12	82.2	.0392	.7204	18.41.7	C	4 12 ,,
13	25.463	20.59	81.6	8.16	82.0	.0389	.7209	18.41.9	N	5 12 ,,
14	25.875	20.65	81.5	8.21	82.0	.0398	.7214	18.42.0	N	6 12 ,,
15	26.835	20.77	81.4	8.26	82.0	.0419	.7220	18.42.0	N	7 12 ,,
16	27.590	21.22	81.8	8.06	82.0	.0492	.7198	18.40.2	N	8 12 ,,
17	27.795	21.73	82.5	7.90	82.5	.0576	.7180	18.38.4	B	9 12 ,,
18	27.384	22.19	83.2	7.65	83.1	.0651	.7153	18.36.4	B	10 12 ,,
19	24.707	22.57	83.9	7.39	83.5	.0714	.7124	18.34.5	B	11 12 ,,
20	22.854	22.52	84.5	7.45	84.2	.0705	.7131	18.34.8	B	Noon.
21	22.649	22.33	85.0	7.80	85.0	.0674	.7169	18.36.7	C	1 12 p.m.
22	23.404	21.93	85.7	8.18	86.0	.0608	.7211	18.39.2	C	2 12 ,,
23	24.570	21.65	85.9	8.38	86.6	.0562	.7233	18.40.7	C	3 12 ,,
Apr. 1st-Noon.	25.600	21.26	85.8	8.40	86.6	.0499	.7235	18.41.6	C	4 12 ,,
1	25.600	21.00	85.1	8.22	86.5	.0456	.7215	18.41.3	B	5 12 ,,
2	25.326	20.85	84.2	8.03	86.0	.0431	.7194	18.40.8	B	6 12 ,,
3	24.983	20.69	83.6	8.03	85.1	.0405	.7194	18.41.1	B	7 12 ,,
4	25.326	20.61	83.3	7.99	84.7	.0392	.7190	18.41.2	B	8 12 ,,
5	25.189	20.61	83.0	8.00	84.2	.0392	.7191	18.41.2	C	9 12 ,,
6	25.189	20.50	82.8	7.95	83.8	.0374	.7186	18.41.3	C	10 12 ,,
7	25.806	20.50	82.5	8.11	83.8	.0374	.7203	18.42.0	C	11 12 ,,
8	25.806	20.63	82.3	8.10	83.4	.0395	.7202	18.41.5	C	Midnight.
9	25.532	20.50	82.2	8.10	83.2	.0374	.7202	18.41.9	B	1 12 a.m.
10	25.737	20.65	81.9	8.13	83.0	.0398	.7205	18.41.7	B	2 12 ,,
11	25.669	20.61	81.5	8.13	82.7	.0392	.7205	18.41.8	B	3 12 ,,
12	25.600	20.60	81.9	8.13	82.7	.0390	.7205	18.41.8	B	4 12 ,,
13	25.669	20.66	82.0	8.18	82.8	.0400	.7211	18.41.9	N	5 12 ,,
14	25.286	20.70	81.8	8.26	82.6	.0407	.7220	18.42.2	N	6 12 ,,
15	27.864	20.79	81.8	8.21	82.4	.0422	.7214	18.42.1	N	7 12 ,,
16	29.305	21.22	82.2	8.07	82.2	.0492	.7197	18.40.2	N	8 12 ,,
17	29.305	21.77	83.0	7.89	83.0	.0583	.7179	18.38.3	C	9 12 ,,
18	28.207	22.22	84.0	7.62	84.0	.0656	.7149	18.36.1	C	10 12 ,,
19	25.875	22.30	85.0	7.58	84.5	.0669	.7185	18.35.9	C	11 12 ,,
20	25.257	22.05	85.3	7.65	85.0	.0628	.7153	18.36.7	C	Noon.
21	24.432	21.91	86.0	7.89	85.8	.0605	.7179	18.37.9	B	1 12 p.m.
22	24.432	21.71	86.3	7.95	86.5	.0573	.7186	18.38.7	B	2 12 ,,
23	25.051	21.51	87.0	7.99	87.5	.0540	.7190	18.39.3	B	3 12 ,,

On the 1st, at about 19h., Dip as obtained by Observation was 19°08'8.

DAILY OBSERVATIONS FROM 2ND TO 4TH APRIL 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Apr. 2nd-Noon.	25·189	21.27	87°0	7.89	88°0	8.0501	2.7179	18°39·3	B	4 12 p.m.
1	24.432	21.23	86.7	7.78	88.0	.0494	.7167	18.39.0	C	5 12 ,,
2	24.502	20.93	85.6	7.91	87.0	.0444	.7181	18.40.3	C	6 12 ,,
3	24.914	20.76	84.9	7.90	86·1	.0417	.7180	18.40.4	C	7 12 ,,
4	24·846	20.71	84.5	7.93	85·8	.0409	.7183	18.40.7	C	8 12 ,,
5	25.189	20.72	88.2	7.94	85.4	.0410	.7184	18.40.7	B	9 12 ,,
6	25.394	20.63	83.5	7.95	85.1	.0395	.7186	18.40.9	B	10 12 ,,
7	25.394	20.52	83.2	7.94	84.6	.0377	·7184	18.41.1	B	11 12 ,,
8	25.600	20.61	83.1	7.95	84.4	.0392	.7186	18.41.0	B	Midnight.
9	25.394	20.72	83.0	8.03	84.2	.0410	.7194	18.41.1	C	1 12 a. m.
10	25·532	20.72	82.9	8.02	84.0	.0410	.7193	18.41.1	C	2 12 ,,
11	25.394	20·72	82.6	8.00	83.9	.0410	.7191	18.41.0	C	3 12 ,,
12	25.532	20.63	82.4	8.06	83.5	.0395	·7198	18.41.4	C	4 12 ,,
13	25.394	20.60	82.2	8.09	83.2	.0390	.7201	18.41.6	G	5 12 ,,
14	25.532	20·80	82.1	8.09	83.0	.0423	.7201	18.41.2	G	6 12 ,,
15	26.561	21.05	82.4	8.19	83.0	.0464	.7212	18.41.1	G	7 12 ,,
16	26.561	21.52	83.2	8.00	83.3	.0541	.7191	18.39.3	G	8 12 ,,
17	26.835	22.07	84.0	7.76	83.7	.0632	.7165	18.37.1	B	9 12 ,,
18	26.218	22.48	84.9	7.70	84.0	.0699	.7158	18 36.0	B	10 12 ,,
19	24.226	22.65	85.5	7.51	85.2	.0726	.7137	18.34.8	B	11 12 ,,
20	22.512	22.54	86.3	7.63	86.1	.0709	.7150	18.35.6	B	Noon.
21	21.826	22.36	87.0	7.71	87.0	.0679	.7159	18.36.3	C	1 12 p. m.
22	22.374	21.94	87.2	8.08	87.7	.0600	.7200	18.38.8	C	2 12 ,,
23	23.473	21.62	87.2	8.22	87·9	.0557	.7215	18.40.0	C	3 12 ,,
Apr. 3rd-Noon.	24.639	21.35	87.1	8.12	88.1	.0513	.7204	18.40.2	C	4 12 ,,
1	24.914	21.18	86.5	8.06	88.0	.0485	.7198	18·40.2	B	5 12 ,,
2	25·189	21.04	85.6	8.10	87·3	.0463	.7202	18.40.7	B	6 12 ,,
3	25.120	20.78	85.1	8.08	86.5	.0412	.7200	18·40.4	B	7 12 ,,
4	25.326	20.72	84.5	8.02	85.8	.0410	.7193	18.41·1	B	8 12 ,,
5	25.189	20.71	84.3	7·91	85.4	.0409	.7181	18.40.6	C	9 12 ,,
6	25.463	20.61	83.9	8.10	85.0	.0392	.7202	18.41.6	C	10 12 ,,
7	25.737	20.58	83.3	8.08	84.8	.0387	.7201	18.41.6	C	11 12 ,,
8	25.737	20.61	83.0	8.09	84.8	.0392	.7201	18.41.6	C	Midnight.
9	25.943	20.69	83.0	7.97	84.1	.0405	.7188	18.40.9	B	1 12 a. m.
10	25.600	20.70	83.0	8.02	84.1	.0407	.7193	18.41.1	B	2 12 ,,
11	25.737	20.75	83.0	8.02	83.9	.0415	.7193	18.40.9	B	3 12 ,,
12	25.600	20.75	83.0	8.09	83.7	.0415	.7201	18.41.2	B	4 12 ,,
13	25.600	20.75	82.8	8.11	83.7	.0415	.7203	18.41.3	N	5 12 ,,
14	26.904	20·77	82.8	8.36	83.5	.0419	.7231	18.42.4	N	6 12 ,,
15	28·413	20.86	83.0	8.38	83.2	.0433	.7233	18.42·4	N	7 12 ,,
16	29.305	21.25	83.3	8.02	83.3	.0497	.7193	18.39.9	N	8 12 ,,
17	28.962	21.89	84.0	7.68	84.0	.0602	.7156	18.37.3	C	9 12 ,,
18	27.452	22.38	85.0	7·26	84.8	.0682	.7110	18.34.4	C	10 12 ,,
19	25.257	22.44	85.8	7.26	85.2	·0693	.7110	18.34.2	C	11 12 ,,
20	23.746	22.35	86·3	7.43	86.0	·0677	.7128	18.35.1	C	Noon.
21	22.923	22·13	86·7	7.75	86·5	.0641	.7164	18.36.9	B	1 12 p. m.
22	23.473	21.74	86.6	8.08	86.6	.0578	.7200	18.39.2	B	2 12 ,,
23	25.051	21.49	86.5	8.36	86.9	.0537	.7261	18.40.9	B	3 12 ,,
Apr. 4th-Noon.	25.806	21.28	86.2	8.26	87.1	.0502	.7231	18.41.4	B	4 12 ,,
1	26.149	21.14	85.9	8.06	87.0	.0479	.7198	18.40.4	C	5 12 ,,
2	25.189	20.92	85.5	7.90	86·7	.0442	.7180	18.40.2	C	6 12 ,,
3	25.189	20.76	84.2	8.00	86.0	.0417	.7191	18.40.8	C	7 12 ,,
4	25.189	20·72	84.0	7.97	85.7	.0410	.7188	18.40.9	C	8 12 ,,
5	25.532	20.75	83.9	7.95	85.1	.0415	.7186	18.40.6	B	9 12 ,,
6	25.600	20.78	83.5	8.00	84.8	.0420	.7191	18.40.8	B	10 12 ,,
7	25.189	20.81	83.5	8.08	84.3	.0425	.7200	18.41.1	B	11 12 ,,
8	25.463	20.69	83.0	8.11	83.6	.0405	·7203	18.41.5	B	Midnight.
9	25.806	20.75	82.8	8.11	83.6	.0415	.7203	18.41.3	C	1 12 a. m.
10	25.257	20.77	82.4	8.08	83·4	.0419	.7200	18.41.2	C	2 12 ,,
11	25.120	20.64	82.1	8.09	83.0	.0397	.7201	18.41.5	C	3 12 ,,

On the 4th, at about 19h. 10m., Dip as obtained by Observation was 19°05·3.

DAILY OBSERVATIONS, FROM 4TH TO 7TH APRIL 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Apr. 4th—12	25·051	20.76	82°0	8.04	83°0	8.0417	2.7195	18°41′0	C	4 12 a. m.
13	25.394	20.60	81·4	8.15	82.9	.0390	.7208	18.41.9	N	5 12 „
14	26.286	20.67	81·2	8.38	82·8	.0402	.7233	18.42.8	N	6 12 „
15	27.727	20.74	81.6	8.53	82·5	.0414	.7249	18.43.3	N	7 12 „
16	29.099	21.87	82.4	8.09	83.0	.0599	.7201	18.38,9	N	8 12 „
17	28.824	22.16	83.1	7.89	83.1	.0646	.7179	18.37.3	B	9 12 „
18	28.550	22.19	84.1	7.97	83.6	.0651	.7188	18.37.7	B	10 12 „
19	25·943	22.32	85.0	7.49	84.4	.0672	.7135	18.35.5	B	11 12 „
20	23.816	21.79	85.7	7.61	85·2	.0586	.7148	18.37.0	B	Noon.
21	23.130	21.70	86.4	7.68	86.0	.0571	.7156	18.37.6	C	1 12 p. m.
22	22.444	21.71	86.7	7.96	86.5	.0573	.7187	18.38.8	C	2 12 „
23	24.502	21.40	87.0	8·22	87.2	.0522	.7215	18.40.5	C	3 12 „
Apr. 5th—Noon.	25.737	20.45	86.7	8.37	87.2	.0366	.7232	18.43.1	C	4 12 „
1	25.943	20.53	86.2	8.22	87.2	.0379	.7215	18.42.4	B	5 12 „
2	25.600	20.26	85.1	8.15	86.5	.0335	.7209	18.42.6	B	6 12 „
3	26.012	20.15	84.5	8.22	85.7	.0318	.7215	18.43.1	B	7 12 „
4	25.600	20.15	84.2	8.16	85.4	.0318	.7211	18.42.9	B	8 12 „
5	25.257	20.22	84.0	8.15	85.0	.0328	.7208	18.42.7	C	9 12 „
6	25.532	20.43	83.6	8.14	84.7	.0363	.7206	18.42.2	C	10 12 „
7	25.532	20.31	83.1	8.07	84 0	.0343	.7199	18.42.2	C	11 12 „
8	25.532	20.39	82.7	8.25	83.4	.0356	.7219	18.42.7	C	Midnight.
9	25.806	20.47	82.1	8.28	83·2	.0370	.7222	18.42.7	G	1 12 a. m.
10	24·295	20.57	82.0	8.20	83.0	.0386	.7213	18.42.1	G	2 12 „
11	25.189	20,44	81.5	8.28	82.5	.0365	.7222	18.42.7	G	3 12 „
12	25.806	20.54	81.3	8.30	82.5	.0381	.7224	18.42.7	G	4 12 „
13	25.669	20.50	81.5	8.37	82.4	.0374	.7231	18.43.1	N	5 12 „
14	27.658	20.33	81.2	8.49	82.2	.0346	.7245	18.43.9	N	6 12 „
15	28.207	20.36	81.6	8.32	82.2	.0351	.7226	18.43 1	N	7 12 „
16	28.481	20.87	82.3	8.08	82.5	.0435	.7200	18.41.0	N	8 12 „
17	28.619	21.44	82.8	7.93	83.2	.0529	.7193	18.39.6	C	9 12 „
18	26.561	21.98	83.5	7.66	84.0	.0600	.7154	18.37.1	C	10 12 „
19	24.090	22.15	84.5	7.91	84.3	.0644	.7181	18.37.6	C	11 12 „
20	22.305	22.04	85.2	7.60	85.0	.0627	.7147	18.36.5	C	Noon.
21	22.444	21.75	86.1	7.75	85.6	.0579	.7164	18.37.7	B	1 12 p. m.
22	23.335	21.46	86.4	7.99	86.3	.0532	.7190	18.39.4	B	2 12 „
23	25.120	21.26	86.5	8.25	86.6	.0499	.7217	18.40.9	B	3 12 „
Apr. 7th—Noon.	26.355	21.38	86.5	8.28	87.5	.0518	.7222	18.40.7	B	4 12 „
1	26.492	21.19	86.1	8.12	87.4	.0487	.7204	18.40.4	B	5 12 „
2	25.737	21.06	85.2	8.06	86.7	.0466	.7198	18.40.5	B	6 12 „
3	25.189	20.88	84.3	8.08	86.0	.0436	.7200	18.41.0	B	7 12 „
4	25.189	20.90	84.0	8.08	85.3	.0439	.7200	18.41.0	B	8 12 „
5	25.189	20.85	83.6	8.09	85.0	.0431	.7201	18.41.1	C	9 12 „
6	25.669	20.96	83.5	8.07	84.9	.0449	.7199	18.40.7	C	10 12 „
7	25.600	20.98	83.5	8.14	84.7	.0452	.7206	18.41.0	C	11 12 „
8	26.286	20 54	83 0	8.22	84.1	.0381	.7215	18.42.4	C	Midnight.
9	26.904	20.25	82.5	8.26	83.6	.0333	.7220	18.43.2	R	1 12 a. m.
10	27.384	20.00	82.4	8.16	83.5	.0292	.7209	18.43 2	R	2 12 „
11	26.213	20.29	82.0	8.19	83.0	.0340	.7212	18.42.7	R	3 12 „
12	25.532	20.41	81.7	8.19	83.0	.0360	.7212	18.42.4	R	4 12 „
13	26.012	20.40	81.3	8.23	82.5	.0358	.7216	18.43.6	B	5 12 „
14	26.970	20.32	81.2	8.47	82.2	.0344	.7243	18.44.0	B	6 12 „
15	28.344	20.35	81.4	8.32	82.2	.0349	.7226	18.43.1	B	7 12 „
16	28.481	20.88	82.1	8.08	82.6	.0436	.7200	18.41.0	B	8 12 „
17	27.658	21.63	83.2	7.87	83.5	.0559	.7177	18.38.5	C	9 12 „
18	26.698	22.12	84.0	7.87	84.0	.0639	.7177	18.37.5	C	10 12 „
19	25.532	22.33	85.0	7.80	84.6	.0674	.7169	18.36.7	C	11 12 „
20	24.159	20.18	85 5	7.95	85.0	.0649	.7186	18.37.6	C	Noon.
21	23.816	21.91	85.9	8.17	85.6	.0605	.7210	18.39.2	R	1 12 p. m.
22	24.502	21.53	86.0	8.18	86.0	.0543	.7211	18.40.1	R	2 12 „
23	24.707	21.20	86.0	8.12	86.5	.0489	.7204	18.40.4	R	3 12 „

On the 5th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 8TH TO 10TH APRIL 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Apr. 8th-Noon.	24·914	20.94	85°9	8.11	87°0	8.0446	2.7204	18°40·9	R	4 12 p. m.
1	25.394	20.60	86.0	8.07	87.2	.0390	.7199	18.41.5	B	5 12 „
2	25.532	20.57	85.3	8.06	86.9	.0386	.7198	18.41.5	B	6 12 „
3	25.189	20.22	84.6	8.19	86.3	.0328	.7213	18.42.9	B	7 12 „
4	25.394	20.31	84.2	8.17	85.5	.0343	.7211	18·42.7	B	8 12 „
5	25.669	20.45	84.0	8.22	85.2	.0366	.7215	18.42.5	C	9 12 „
6	26.286	20.45	83.6	8.21	85.0	.0366	.7214	18.42.4	C	10 12 „
7	26.561	20.36	83.3	8.24	84.7	.0351	.7217	18.42.8	C	11 12 „
8	26.972	20.18	83.0	8.31	84.3	.0421	.7225	18·42.2	C	Midnight.
9	26.835	20.19	82.7	8.51	83.7	.0423	.7247	18.43.1	R	1 12 a. m.
10	26.629	20.36	82.5	8.61	83.6	.0351	.7258	18.44.4	R	2 12 „
11	26.835	20·43	82.4	8.61	83.5	.0363	.7258	18.44.3	R	3 12 „
12	26.218	20.28	82.0	8·49	83.0	.0337	.7245	18.44.1	R	4 12 „
13	25.943	20.47	81.7	8.64	83.0	.0370	.7261	18.44.2	B	5 12 „
14	26.149	20.34	81.6	8.62	82.8	.0348	.7260	18·44.4	B	6 12 „
15	27.658	20.56	82.4	8.70	82.8	.0384	.7268	18.44.4	B	7 12 „
16	28.070	20.89	83.0	8.41	83.0	.0438	.7236	18.42.5	B	8 12 „
17	28·893	21.17	83.9	8.61	83.8	.0484	.7258	18.42.8	C	9 12 „
18	27.933	21.70	84.5	8.36	84.0	.0571	.7231	18.40.5	C	10 12 „
19	26.561	21.88	85.0	8.15	84.9	.0600	.7209	18.39.2	C	11 12 „
20	25.189	21.63	85.6	8.04	85.3	.0559	.7195	18.39.2	C	Noon.
21	24.846	21.41	85.7	8.27	85·6	.0524	.7221	18.40.7	R	1 12 p. m.
22	25.189	21.14	86·0	8.49	86.2	.0479	.7224	18.41.4	R	2 12 „
23	26.012	20.90	86.1	8.50	87.0	.0439	.7246	18.42.7	R	3 12 „
Apr. 9th-Noon.	26.218	20.70	86.0	8.47	87°0	.0407	.7243	18.43.1	R	4 12 „
1	26.286	20·59	86.0	8.37	87.3	.0389	.7232	18.42.8	B	5 12 „
2	25.737	20.59	85.6	8.06	87.2	.0389	.7198	18.41.5	B	6 12 „
3	25.669	20·43	85.1	8.20	86.8	.0363	.7213	18.42.5	B	7 12 „
4	26.080	20.37	84.8	8.24	86.1	.0353	.7217	18.42.8	B	8 12 „
5	26.149	20.41	84.5	8.21	85.7	.0360	.7214	18.42.5	C	9 12 „
6	26.218	20.34	84.0	8.24	85·2	.0348	.7217	18.42.8	C	10 12 „
7	26.080	20.28	83.5	8.25	84.9	.0338	.7219	18.43.0	C	11 12 „
8	26·561	20 30	83.4	8.36	84.5	.0341	.7231	18.43.5	C	Midnight.
9	26.492	20.30	83.2	8.37	84·0	.0341	.7232	18.43.5	R	1 12 a. m.
10	27.109	20·49	83.0	8.34	84.0	.0373	.7228	18.43.0	R	2 12 „
11	26·972	20.48	82.5	8.41	83.5	.0371	.7236	18·43.3	R	3 12 „
12	26.218	20.46	82.3	8.30	83.4	.0368	.7224	18.42.8	R	4 12 „
13	26.149	20.34	82.1	8.30	83·3	.0348	.7224	18.43.0	B	5 12 „
14	26.766	20.31	81.8	8.44	83.0	.0343	.7239	18.43.8	B	6 12 „
15	27.590	20 58	82.4	8.44	83.0	.0387	.7239	18.43.1	B	7 12 „
16	27·795	20.86	83.6	8.36	83.6	.0433	.7231	18·42.3	B	8 12 „
17	27.933	21.26	84.5	8.12	84.6	.0499	.7204	18.40.3	C	9 12 „
18	27.109	21.64	85.8	7.98	85.3	.0561	.7189	18.38.9	C	10 12 „
19	24.983	21.91	87.0	8.03	86.0	.0605	.7194	18.38.5	C	11 12 „
20	23.816	21.80	87.0	8.20	86.6	.0587	.7213	18.39.5	C	Noon.
21	23.816	21.80	87.5	8.41	87.0	.0587	.7236	18·40·5	R	1 12 p. m.
22	24·502	21.51	87.7	8.45	87.8	.0540	.7241	18.41.3	R	2 12 „
23	25.189	21.24	88,0	8.51	88.5	.0496	.7247	18.42.1	R	3 12 „
Apr. 10th-Noon.	25.737	21.09	88.1	8.50	88.9	.0471	.7246	18.42.4	R	4 12 „
1	26.012	21.03	88.0	8.49	89.0	.0461	.7245	18.42.5	B	5 12 „
2	25.669	20.88	87.2	8.35	88.3	.0436	.7230	18.42.2	B	6 12 „
3	25.394	20.69	86.5	8.43	87.7	.0405	.7238	18.42.9	B	7 12 „
4	25.600	20.69	86.0	8.47	87.2	.0405	.7243	18.43.1	B	8 12 „
5	25.737	20.71	85.6	8.51	87.0	.0409	.7247	18.43.3	C	9 12 „
6	26.149	20.58	85.0	8.49	86.4	.0387	.7245	18.43.4	C	10 12 „
7	25.875	20.68	84.9	8.53	86.0	.0403	.7249	18.43.4	C	11 12 „
8	26.012	20.62	84.8	8.45	85.8	.0393	.7241	18.43.2	C	Midnight.
9	26.218	20·59	84.4	8.46	85.4	.0389	.7242	18.43.2	R	1 12 a. m.
10	26.904	20·62	84.0	8.39	85.0	.0393	.7234	18.42.9	R	2 12 „
11	26.286	20.63	83.8	8.35	85.0	.0395	.7239	18.42.7	R	3 12 „

On the 8th, at about 19h., Dip as obtained by Observation was 19°07′5.

DAILY OBSERVATIONS, FROM 10TH TO 12TH APRIL 1861.

Date. Göttingen Mean Time 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Apr. 10th—12	25·669	20.57	83°2	8.34	84°5	8.0386	2.7228	18°42·7	R	4 12 a. m.
13	26.012	20.61	82.9	8 41	84·2	·0392	.7236	18.43.0	B	5 12 ,,
14	27.384	20.45	82.2	8.17	83.9	.0366	.7210	18.42.3	B	6 12 ,,
15	28·481	20.61	82.7	8.32	83.9	.0392	.7222	18·42.4	B	7 12 ,,
16	29·442	21.18	83.8	8.03	84.3	.0485	.7194	18.40.1	B	8 12 ,,
17	28.824	21.89	85.2	7.72	85·6	.0602	.7160	18.37·3	C	9 12 ,,
18	27.590	22.42	87.0	7.64	86·6	.0689	.7151	18.35.8	C	10 12 ,,
19	25.532	22.52	88.1	7.57	87.2	.0705	.7144	18.35.3	C	11 12 ,,
20	24·021	22.42	88.7	7.67	88.2	.0689	.7155	18.36.0	C	Noon.
21	23.473	22.14	89.0	7.87	89·0	.0683	.7177	18.37.5	R	1 12 p. m.
22	24.159	21.92	89.6	8.14	89.5	.0606	.7206	18.39.0	R	2 12 ,,
23	25.394	21.60	90.0	8.30	90.0	.0554	.7224	18.40.4	R	3 12 ,,
Apr. 11th-Noon.	26.286	21.48	90.0	8.21	90.4	.0535	.7214	18.40.2	R	4 12 ,,
1	26.286	21.30	89.5	8.16	90.4	.0505	.7210	18.40.5	B	5 12 ,,
2	25.737	21.08	88.3	7·69	89.5	.0469	.7157	18.39.0	B	6 12 ,,
3	25.463	20.86	86.7	7.70	88·1	.0433	.7158	18.39.5	B	7 12 ,,
4	25.532	20.89	85.7	7.72	87.3	.0438	·7160	18.39.4	B	8 12 ,,
5	25.394	20.71	85.6	7.79	87.0	.0409	.7168	18.40.1	C	9 12 ,,
6	26.286	20.71	85.3	8·00	86.5	.0409	.7191	18.41.0	C	10 12 ,,
7	26.286	20.58	85.0	8.03	86.0	.0387	.7194	18.41.3	C	11 12 ,,
8	26.423	20.53	84.9	8.03	85.9	.0379	.7194	18.41.5	C	Midnight.
9	26.698	20.86	84.5	9.06	85·4	.0433	.7308	18.45·3	R	1 12 a. m.
10	26.218	20.57	84.0	9·00	85.0	.0386	.7301	18.45.5	R	2 12 ,,
11	26.218	20 52	84.0	8.93	84.2	.0377	.7293	18.45.4	R	3 12 ,,
12	26.355	20.50	83·5	8.97	84.0	.0374	.7298	18.45.7	R	4 12 ,,
13	25.943	20.41	83.0	8.96	83.8	.0360	.7297	18.45.8	B	5 12 ,,
14	27.178	20.66	82·7	8.85	83.4	·0400	.7285	18.44.8	B	6 12 ,,
15	27.933	20.62	82.8	8.72	83.4	.0393	.7270	18·44.3	B	7 12 ,,
16	28.481	20.93	83.4	8.46	83.6	.0444	.7242	18.42.6	B	8 12 ,,
17	28·962	21.40	84.2	8.27	84.0	.0522	.7221	18.40.7	C	9 12 ,,
18	27.795	21.70	85.0	8.05	85.0	.0571	.7197	18.39.2	C	10 12 ,,
19	25.669	21.84	85·5	7.82	86.0	.0594	.7171	18.37.8	C	11 12 ,,
20	23.677	21.94	87.0	7·95	86.6	.0610	·7186	18.38.2	C	Noon.
21	23.540	21.66	87·0	8.31	87.0	·0564	.7225	18.40.4	R	1 12 p. m.
22	24.159	21.58	87.5	8.42	87.2	.0551	.7237	18.41.0	R	2 12 ,,
23	25.189	21.39	87.9	8.64	87.9	.0520	.7261	18.42.2	R	3 12 ,,
Apr. 12th-Noon	25.943	21.14	87.4	8.66	87.5	.0479	.7264	18.42.9	R	4 12 ,,
1	26.013	20.81	86.2	8.61	87.0	.0425	.7258	18.43.4	B	5 12 ,,
2	25.394	20.66	85.1	8.47	86.2	.0400	.7243	18.43.2	B	6 12 ,,
3	25·532	20.70	85.0	8.53	86.0	.0407	.7249	18.43.3	B	7 12 ,,
4	25.737	20.72	84.8	8.57	85.8	.0410	.7254	18.43.5	B	8 12 ,,
5	25.875	20.78	84.6	8.67	85·6	.0420	.7265	18.43.7	C	9 12 ,,
6	26.218	20.70	84.7	8.66	85·4	.0407	.7264	18.43.8	C	10 12 ,,
7	26.561	20.78	84.6	8.66	85.4	.0420	.7264	18.43.6	C	11 12 ,,
8	26.355	20.75	84.6	8.50	85.2	.0415	.7246	18.43.0	C	Midnight.
9	26.561	20.66	84.5	8.45	85.0	.0400	.7241	18.43.1	R	1 12 a. m.
10	26.766	20.57	84.0	8.44	84.8	.0386	.7239	18.43.1	R	2 12 ,,
11	26.286	20.70	83.9	8.44	84·5	.0407	.7239	18.42.9	R	3 12 ,,
12	25.875	20.68	83.8	8.42	84.1	.0403	.7237	18.43.0	R	4 12 ,,
13	26.012	20.75	83.8	8.27	84.0	.0415	.7221	18.42.0	B	5 12 ,,
14	26.561	20.66	83.5	8.40	84.0	.0400	.7235	18·42.9	B	6 12 ,,
15	27.521	20.71	83.4	8.42	84.0	.0409	.7237	18.42.9	B	7 12 ,,
16	28.550	21.20	83.7	8.28	84.2	.0889	.7222	18.41.1	B	8 12 ,,
17	28.824	21.73	84.4	7.97	84.9	.0576	.7188	18.38·7	C	9 12 ,,
18	27.727	22.09	85.6	7.82	85.6	.0635	.7171	18.37·2	C	10 12 ,,
19	26.629	22.11	86.7	7.75	86.4	·0638	.7164	18.36·9	C	11 12 ,,
20	25·532	21.80	87.8	7.86	87.3	.0587	.7176	18.38.0	C	Noon.
21	24.983	21·56	88.0	7.93	87.5	.0543	.7183	18.38.8	R	1 12 p. m.
22	24.983	21.27	87.6	8.11	87.1	.0501	.7203	18.40.3	R	2 12 ,,
23	25.943	20.87	86.0	8.30	86.6	.0435	.7228	18.41.9	R	3 12 ,,

On the 11th, at about 19h., Dip as obtained by Observation was 19°54'4.
On the 12th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 14TH TO 16TH APRIL 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Apr. 14th-Noon.	26·286	20.95	85°2	8.54	86°3	8.0447	2.7261	18°43′1	B	4 12 p. m.
1	25·875	21.03	84.7	8.18	85·9	.9461	.7211	18.41.1	B	5 12 ,,
2	25.189	20.94	84.0	8.01	85.2	.0446	.7192	18.40.4	B	6 12 ,,
3	25.600	20.83	83.5	8.09	84.6	.0428	.7201	18.41.1	B	7 12 ,,
4	25.463	20.76	83.4	8.05	84.2	.0417	.7197	18.41.1	B	8 12 ,,
5	25.806	20.64	83.0	8.13	84.2	.0397	.7205	18.41.7	C	9 12 ,,
6	26.080	20.69	83.0	8.19	84.0	.0405	.7212	18.41.8	C	10 12 ,,
7	26.080	20.74	83.0	8.19	83.9	.0414	.7212	18.41.8	C	11 12 ,,
8	26.218	21.47	82.9	8.31	83.7	.0534	.7224	18.40.7	C	Midnight.
9	26.355	21.25	82.8	8.38	83.4	.0497	.7233	18.41.5	R	1 12 a. m.
10	25.532	20.88	82.8	8.26	83.5	.0436	.7220	18.41.8	R	2 12 ,,
11	26.355	20.93	82.8	8.30	83.4	.0444	.7224	18.41.9	R	3 12 ,,
12	26.218	20.96	82.7	8.22	83.2	.0449	.7215	18.40.4	R	4 12 ,,
C 13	25.943	21.00	82.5	8.25	83.2	.0456	.7219	18.41.4	B	5 12 ,,
14	26.835	21.58	82.5	8.46	83.2	.0551	.7242	18.41.1	B	6 12 ,,
15	27.315	21.51	82.5	8.34	83.1	.0540	.7228	18.40.8	B	7 12 ,,
16	27.178	21.58	82.4	8.31	83.0	.0551	.7225	18.40.5	B	8 12 ,,
17	27.590	21.68	83.0	8.24	83.3	.0567	.7217	18.40.0	C	9 12 ,,
18	27·315	21.72	83.7	8.02	84.0	.0574	.7193	18.39.0	C	10 12 ,,
19	26.698	21.74	85.2	8·00	85.0	.0578	.7191	18.38.8	C	11 12 ,,
20	26.080	21.58	86.0	7.97	85.6	.0551	·7188	18.39.0	C	Noon.
21	25.737	21.39	86.7	8.08	86.0	.0520	.7200	18.39.9	R	1 12 p. m.
22	26.218	20.83	86.7	8.32	86.4	.0428	.7226	18.42.1	R	2 12 ,,
23	26.972	20.38	86.6	8.38	86.5	.0358	.7233	18.43.4	R	3 12 ,,
Apr. 15th-Noon.	27.452	20.01	86.0	8·15	86.5	.0294	.7208	18.83.2	R	4 12 ,,
1	27.178	19.68	85.5	8.04	86.3	.0241	.7195	18.83.4	B	5 12 ,,
2	27.384	19.49	84.5	8.22	85.7	.0209	.7215	18.44.6	B	6 12 ,,
3	28.207	18.78	83·7	8.35	85.0	.0084	.7230	18.46.9	B	7 12 ,,
4	28.824	18.57	83.2	8.59	84.6	.0058	.7256	18.48.1	B	8 12 ,,
5	28.413	18.86	83.1	8.46	84.5	.0105	.7242	18.46.9	C	9 12 ,,
6	28.962	18.83	83.5	8.54	84.5	.0100	.7250	18.47.4	C	10 12 ,,
7	28.413	18.76	83.7	8.53	84.4	.0089	.7249	18.47.4	C	11 12 ,,
8	28.619	18.97	83.9	8.55	84.4	.0123	.7252	18.47.1	C	Midnight.
9	28.001	19.08	83.5	8.52	84.0	.0141	.7248	18.46.8	R	1 12 a. m.
10	27·109	19·59	83.0	8.62	83.9	·0225	.7259	18.46.0	R	2 12 ,,
11	27.109	19.64	82.9	8.51	83.8	.0235	.7247	18.45·5	R	3 12 ,,
12	27·795	20.14	83.0	8.57	83.6	.0315	.7254	18.44.6	R	4 12 ,,
13	27.178	19.78	82.4	8.51	83.5	.0256	.7247	18.45.2	B	5 12 ,,
14	28.070	19.42	82.4	8.70	83.4	.0197	.7268	18·46.7	B	6 12 ,,
15	29.030	19·59	82.9	8.62	83.4	.0225	.7259	18.46 0	B	7 12 ,,
16	29.030	20.20	83.6	8.31	83·8	.0325	.7225	18·43.4	B	8 12 ,,
17	28·276	20.84	84·1	8.10	84.1	.0430	·7202	18.41.1	C	9 12 ,,
18	27.109	21.12	85.0	7.99	84.7	.0475	·7190	18.40.1	C	10 12 ,,
19	25.943	21·18	85.9	8.00	85.2	.0485	·7191	18.39.9	C	11 12 ,,
20	24.846	21·04	86.7	8.14	86.0	.0463	.7206	18.41.0	C	Noon.
21	24.707	20.76	87.0	8.40	86.6	.0417	.7235	18.42.6	R	1 12 p. m.
22	25·189	20.68	87.6	8.41	87.1	.0403	.7236	18.42.7	R	2 12 ,,
23	25.943	20.09	87.5	8.43	87.5	.0307	.7238	18.44.2	R	3 12 ,,
Apr. 16th-Noon.	25.875	20.31	87.0	8.23	87.6	.0343	.7216	18.42.9	R	4 12 ,,
1	25.600	20.33	86.6	8.33	87.8	.0346	.7227	18.43.2	B	5 12 ,,
2	25.875	20.16	86.1	8.37	87.3	.0318	.7232	18.43.7	B	6 12 ,,
3	26.629	19.78	85.4	8.48	86·6	.0256	.7244	18.45.0	B	7 12 ,,
4	26·835	19.91	85·1	8.39	86.2	.0277	.7234	18.44.4	B	8 12 ,,
5	26.218	20.09	85.0	8.37	85.8	.0307	.7231	18.43.9	C	9 12 ,,
6	26.698	19.88	84.9	8.53	85.6	.0272	.7249	18.45.1	C	10 12 ,,
7	27.041	19.97	84.7	8.46	85.4	.0287	.7242	18.44.5	C	11 12 ,,
8	26.835	19.99	84·4	8.48	85.2	.0290	.7244	18.44.6	C	Midnight.
9	26.698	20·10	84.3	8.55	85.0	.0308	.7252	18.44.7	R	1 12 a. m.
10	26.355	20.18	84.2	8.50	85.0	.0321	.7246	18.44.3	R	2 12 ,,
11	26.218	20.21	84.0	8.50	85.0	.0327	.7246	18.44.2	R	3 12 ,,

On the 15th, at about 19h., Dip as obtained by Observation was 19°13′1.

DAILY OBSERVATIONS, FROM 16TH TO 18TH APRIL 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
APR. 16TH—12	26·080	20.22	84°0	8.50	85°0	8.0328	2.7246	18°44'2	R	4 12 a. m.
13	26.286	20.14	83.2	8.59	84·5	.0315	.7256	18.44.7	B	5 12 „
14	27.109	20.29	83·6	8.68	84.4	.0340	.7266	18.44·8	B	6 12 „
15	28.070	20.28	84.0	8.59	84.5	.0338	.7256	18.44·5	B	7 12 „
16	28.344	20.59	84.8	8.34	84.6	.0389	.7228	18·42.7	B	8 12 „
17	27.795	21.14	84.8	8·05	85·0	.0479	.7197	18.40.4	C	9 12 „
18	27.384	21.49	85.9	8.02	85.6	.0537	.7193	18·39.4	C	10 12 „
19	26.698	21·46	86.6	8.03	86.0	.0532	.7194	18.39.5	C	11 12 „
20	25.669	21·68	87.5	8.05	87.0	.0567	.7197	18.39.2	C	Noon.
21	25.394	21.50	87·7	8.22	87.4	.0538	.7215	18.40.3	R	1 12 p. m.
22	25.737	21.28	87.8	8.23	87.8	.0502	.7216	18.40.8	R	2 12 „
23	25·737	21.03	88.0	8.35	88.2	.0461	.7230	18.41.9	R	3 12 „
APR. 17TH-Noon.	25.875	20.77	87.9	8.38	88.4	.0419	.7233	18.42.5	R	4 12 „
1	26.218	20.38	87.0	8.34	88.0	·0354	.7228	18.43.2	B	5 12 „
2	26.492	20.17	86.1	8·44	87.4	·0320	.7239	18.44.0	B	6 12 „
3	26.492	20·12	85.1	8.32	86.6	·0311	.7226	18.43.7	B	7 12 „
4	26.286	20.26	85·0	8.39	86·2	.0335	.7234	18.43.6	B	8 12 „
5	26.218	20.26	84.7	8.40	86.0	.0335	.7235	18.43.7	C	9 12 „
6	26.218	20.36	84.5	8.42	85.8	.0351	.7237	18.43.6	C	10 12 „
7	26.218	20.33	84.2	8·47	85.5	.0346	·7243	18.43·8	C	11 12 „
8	26.492	20.35	84.0	8.56	85.2	.0349	.7253	18·44.2	C	Midnight.
9	26.423	20·33	83.8	8.45	85.0	.0346	.7241	18.43.7	R	1 12 a. m.
10	26.218	20·37	·83.7	8.65	84.9	·0353	.7263	18.44.5	R	2 12 „
11	26.561	20.41	83.4	8·84	84.5	.0360	.7283	18.45.2	R	3 12 „
12	25·189	20.53	83.2	8.83	84.3	.0379	.7282	18.44.9	R	4 12 „
13	25.737	20.41	83.1	8.90	84.0	.0360	.7290	18.45.5	B	5 12 „
14	26.561	20.49	83.0	9.01	83.8	.0373	.7302	18.45.8	B	6 12 „
15	27.384	20.59	83.3	9·07	84.0	.0389	.7309	18.45.8	B	7 12 „
16	27·521	21·03	84.0	8.73	84.2	·0461	.7271	18·43·4	B	8 12 „
17	27.109	21.48	84.8	8.50	84·9	.0535	.7246	18.41.5	C	9 12 „
18	26.218	21.71	85.6	8.34	85·3	.0573	.7228	18.40.4	C	10 12 „
19	24.914	21.66	86.0	8.33	86·0	.0564	·7227	18.40·5	C	11 12 „
20	24.363	21.71	86.5	8·34	86.3	.0573	.7228	18.40.4	C	Noon.
21	24.226	21.71	87.0	8.57	86.5	.0573	.7254	18.41.4	R	1 12 p. m.
22	24.363	21.27	87.2	8.61	87.0	.0501	.7258	18.42.5	R	2 12 „
23	24.226	20.90	87.4	8·59	87.5	.0439	.7256	18.43.2	R	3 12 „
APR. 18TH-Noon.	25.189	20.48	87.2	8.71	87.8	·0371	.7269	18.44.5	R	4 12 „
1	25.669	20.53	86.9	8.79	87.9	·0379	.7278	18·44.8	B	5 12 „
2	26.286	20.41	86.3	8·76	87.4	.0360	.7275	18.44·9	B	6 12 „
3	25.943	20.29	85.5	8.73	87.0	.0340	.7271	18.45.0	B	7 12 „
4	25.875	20.30	85.0	8.75	86.5	.0341	.7274	18.45.1	B	8 12 „
5	26.080	20.31	84·5	8.68	86.0	·0343	.7266	18.44.8	C	9 12 „
6	26.012	20.27	84.0	8.72	85.6	.0337	.7270	18.45.0	C	10 12 „
7	26·355	20.28	83.9	8.81	85.0	.0338	.7280	18.45.4	C	11 12 „
8	26.355	20.46	83.9	8.80	85.0	.0368	.7279	18.44.8	C	Midnight.
9	26.218	20.50	83.8	8.80	85.0	.0374	.7279	18.44.8	R	1 12 a. m.
10	26.080	20.52	83.7	8·65	85.0	.0377	.7263	18.44.2	R	2 12 „
11	26.012	20.45	83.6	8.64	84.7	.0366	·7261	18.44.2	R	3 12 „
12	25.669	20.57	83.7	8·70	84.5	.0386	.7268	18.44.2	R	4 12 „
13	26.012	20.61	83.4	8.73	84.3	.0392	.7271	18.44.3	B	5 12 „
14	26.698	20.71	83.1	8.87	84.1	.0409	.7287	18.44.8	B	6 12 „
15	27.795	20.88	83.5	8.82	84.1	.0436	.7281	18.44·1	B	7 12 „
16	28.070	21.26	84.4	8.68	84.4	.0499	.7266	18.42.7	B	8 12 „
17	26.835	21.65	85.0	8.60	85.0	.0562	.7257	18.41.7	C	9 12 „
18	26.286	21.97	86.0	8·48	85.8	.0615	.7244	18.40.3	C	10 12 „
19	25·669	21.98	86.7	8.44	86.3	.0616	.7239	18.40.1	C	11 12 „
20	24.159	21.88	87.1	8.41	87.0	.0600	.7236	18.40.3	C	Noon.
21	24.021	21.80	87.6	8·62	87.4	.0587	.7259	18.41.3	R	1 12 p. m.
22	24.502	21·72	88.0	8.64	88.0	.0574	.7261	18.41.6	R	2 12 „
23	25.600	21·45	88.0	8.69	88.3	.0530	.7267	18.42.4	R	3 12 „

On the 18th, at about 19h., Dip as obtained by Observation was 19°02'8.

BOMBAY MAGNETICAL OBSERVATIONS.

DAILY OBSERVATIONS, FROM 19TH TO 22ND APRIL 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Apr. 19th-Noon.	25·669	21.26	87·7	8.56	88·6	8.0499	2.7253	18°42'3	R	4 12 p. m.
1	26.149	21.35	87.6	8.62	88.9	.0513	.7259	18.42.4	B	5 12 „
2	25.875	21·09	87.2	8.48	88.5	·0471	.7244	18.42.3	B	6 12 „
3	25·189	20.94	86.6	8.49	87.9	.0846	·7245	18.42.6	B	7 12 „
4	25·600	20.80	86.2	8.58	87.6	.0423	.7255	18.43.4	R	8 12 „
5	25.600	20.88	86.0	8.54	87.3	.0436	.7250	18.43.0	C	9 12 „
6	26.080	20.67	85.8	8.61	87.0	.0402	.7258	18.43.8	C	10 12 „
7	26.766	20.24	85.2	8.69	86.2	.0332	.7267	18.45.0	C	11 12 „
8	26.286	20.87	85.0	8.66	86.0	.0435	.7264	18.43.4	C	Midnight.
9	27.041	20.56	84.5	8.67	85.5	.0334	.7265	18·44·3	R	1 12 a. m.
10	27.247	20.52	84.0	8.65	85.0	.0377	.7263	18.44.2	R	2 12 „
11	26.218	20.72	84.0	8.55	85·0	.0410	.7252	18.43.4	R	3 12 „
12	26.218	20.80	84.0	8.58	85.0	.0423	.7255	18.43·4	R	4 12 „
13	25.875	20·68	83.4	8.64	84.5	·0403	.7261	18.43.8	B	5 12 „
14	27.521	20.70	83.0	8.81	88.3	.0407	.7280	18.44.5	B	6 12 „
15	28·276	20.98	83.5	8.85	84.3	.0452	.7285	18.44.1	B	7 12 „
16	28·962	21.46	84·5	8.69	84.8	.0532	.7267	18.42.4	B	8 12 „
17	28.619	21.87	85.3	8.47	85·6	.0599	.7245	18.40.7	C	9 12 „
18	27.247	22.23	86.6	8.44	86.3	.0658	·7239	18·39.6	C	10 12 „
19	25.326	22.30	87.2	8.31	87.1	.0669	.7225	18.39.0	C	11 12 „
20	24.570	22.15	87.8	8.51	87.6	.0644	.7247	18.40.3	C	Noon.
21	24.226	22.05	88.0	8·54	88.0	.0628	.7250	18.40.5	R	1 12 p. m.
22	25.189	21·71	88.5	8.66	88.9	.0573	.7264	18.41.7	R	2 12 „
23	25.257	21.51	88.9	8.58	89.3	.0540	.7255	18.41.9	R	3 12 „
Apr. 21st-Noon.	25.326	20.99	88.2	8.75	89.0	.0454	.7274	18.43.6	R	4 12 „
1	25.806	20.74	87.5	8·76	88·7	·0414	.7275	18 44.3	B	5 12 „
2	25.806	20.38	86.3	8.62	87.9	.0354	.7259	18.44.4	B	6 12 „
3	26.355	20.14	85.2	8.46	86·9	.0313	.7242	18.44.1	B	7 12 „
4	26.218	20.35	85.0	8.60	86.5	.0349	.7257	18.44.4	B	8 12 „
5	26.355	20.38	84.6	8.58	86.0	.0354	.7255	18.44.3	C	9 12 „
6	26.218	20.41	84.5	8.59	85.7	.0360	.7256	18.44.2	C	10 12 „
7	26·561	20.61	84.0	8·70	85.3	.0392	.7268	18.44.4	C	11 12 „
8	27.041	20·38	83.9	8.75	85.0	.0354	.7274	18·44.9	C	Midnight.
9	27.315	20.37	83.7	8.70	84·7	.0353	.7268	18.44.7	R	1 12 a. m.
10	26·835	20·52	83.4	8.74	84.5	.0377	·7272	18.44.5	R	2 12 „
11	26.355	20.29	83.0	8.42	84.0	.0340	.7237	18.43.8	R	3 12 „
12	26.355	20.30	82.8	8.42	84.0	.0341	.7237	18.43.8	R	4 12 „
13	26.286	20·28	82.4	8.23	83.5	.0338	.7216	18.42.9	B	5 12 „
14	27.658	20.47	82.4	8.30	83.4	.0370	.7224	18.42.8	B	6 12 „
15	28.207	20.62	82.9	8.21	83.5	.0393	.7214	18·42.1	B	7 12 „
16	27.452	20.92	83.5	7.94	83.9	.0442	·7184	18.40.3	B	8 12 „
17	26.355	21.51	84.5	7·82	84.5	.0540	.7171	18.38.5	C	9 12 „
18	25.257	21·72	85.2	7.70	85.1	.0574	.7158	18.37.7	C	10 12 „
19	23.953	21.79	86.0	7.85	85·6	.0586	.7175	18.38.0	C	11 12 „
20	23.746	21.50	86.5	8.23	86.1	.0538	.7216	18.40.3	C	Noon.
21	24.502	21.50	87.0	8.51	86.9	.0538	.7247	18.41.6	R	1 12 p. m.
22	25.189	21.25	87.1	8 51	87.0	.0497	.7247	18.42.1	R	2 12 „
23	25.669	21.00	87·0	8·47	87.5	.0456	.7245	18.42.5	R	3 12 „
Apr. 22nd-Noon.	25.875	21.14	87.0	8.29	87.7	.0479	.7223	18.41.4	R	4 12 „
1	25.737	20.94	86.5	8.13	87.6	.0446	.7205	18.41.0	B	5 12 „
2	25.532	20.65	85.6	8.13	87.1	.0398	.7205	18.41.7	B	6 12 „
3	25.463	20·50	85·0	8.14	86.3	·0374	.7206	18.42.1	B	7 12 „
4	25.943	20.61	84.5	8.18	85.9	.0392	.7211	18.42.0	B	8 12 „
5	26.492	20.36	84.0	8.26	85.4	.0351	.7220	18.41.9	C	9 12 „
6	27.247	20·30	83.9	8.27	85.0	.0341	.7221	18.42.1	C	10 12 „
7	27.315	20.10	83.1	8.36	84.7	.0308	.7231	18.42.9	C	11 12 „
8	28.070	19.94	83.0	8.33	84.3	.0282	.7227	18.44.2	C	Midnight.
9	28.619	19·74	83.0	8.32	84.0	·0251	.7226	18.44.4	R	1 12 a. m
10	27·590	19.90	82.8	8.02	84.0	.0275	.7193	18.42.8	R	2 12 „
11	26.904	20.20	82.5	7.97	83.5	.0325	.7188	18.41.9	R	3 12 „

On the 19th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 22ND TO 24TH APRIL 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
APR. 22ND—12	26·561	20.17	82·5	8.01	83·5	8.0320	2.7192	18°42′1	R	4 12 a. m.
13	26.972	20.00	82.5	8.10	83.4	.0292	.7202	18.42.9	B	5 12 „
14	27.590	20.00	82.5	8.32	83.4	.0292	.7226	18.43.9	B	6 12 „
15	28.687	19·93	82.6	8.23	83.5	.0282	.7216	18.43.7	B	7 12 „
16	28·893	20.34	83.3	7.86	83.6	.0348	.7176	18·41.1	B	8 12 „
17	28·276	20.92	84.0	7.53	84.2	.0442	.7139	18.38.6	C	9 12 „
18	27.452	21.22	85.0	7.37	85.0	.0492	.7122	18.37.2	C	10 12 „
19	25.532	21.33	85·9	7.23	85.3	.0510	.7106	18.36.4	C	11 12 „
20	24.363	21.51	86.2	7.42	86.0	.0540	.7027	18.36.9	C	Noon.
21	24.502	21.34	86.6	7.78	86.0	.0512	.7167	18·38.8	R	1 12 p. m.
22	24.776	21.21	86.9	7.99	86.9	.0491	·7190	18.39.9	R	2 12 „
23	25.326	20.79	86.9	8.01	87.1	.0422	.7192	18.40.8	R	3 12 „
APR 23RD-Noon.	26.698	20.65	86.7	8.13	·87.5	.0398	.7205	18.41.7	R	4 12 „
1	26.561	20.61	86.1	7.92	87.3	.0392	.7182	18.40.8	B	5 12 „
2	26.218	20.30	85.3	7.92	86.6	.0341	.7182	18.41.5	B	6 12 „
3	25.600	20.28	84.6	7.80	86.0	.0333	.7169	18.41.0	B	7 12 „
4	25.943	20.18	84.2	7.87	85.6	.0321	.7177	18.41.6	B	8 12 „
5	26.149	20.42	84.0	7.93	85.0	.0361	.7183	18.41.3	C	9 12 „
6	26.149	20.40	83.9	8.80	85.0	.0358	.7279	18.45.0	C	10 12 „
7	26.218	20.43	83.5	8.82	84.8	.0363	.7281	18.45.1	C	11 12 „
8	26.423	20.38	83.2	8.79	84.7	.0354	.7279	18·45.1	C	Midnight.
9	26.835	20.46	83.1	8.83	84.3	.0368	.7282	18.45.0	R	1 12 a.m.
10	26.904	20.52	83.0	8.82	84.0	.0377	.7281	18.44.9	R	2 12 „
11	26.423	20.33	82.7	8.87	84.0	.0346	.7287	18.45.5	R	3 12 „
12	26.218	20.30	82.2	8.41	83.5	.0341	.7236	18.43.7	R	4 12 „
13	26.423	20.32	82.1	8.60	83.4	.0344	.7257	18.44.6	B	5 12 „
14	28.070	20.41	82.0	8.85	83.2	.0360	.7285	18.45.3	B	6 12 „
15	29.305	20.46	82.1	8.62	83.2	.0368	.7259	18.44.2	B	7 12 „
16	29.167	21.11	83.1	8.13	83.5	.0474	.7205	18.40.8	B	8 12 „
17	28.070	21.77	84.3	7.96	84.0	.0583	.7187	18.38.7	C	9 12 „
18	26.766	22.20	85.4	7.91	85.0	.0653	.7181	18.37.4	C	10 12 „
19	25.189	21.92	86·0	8.13	86.0	.0606	.7205	18.39.0	C	11 12 „
20	24.159	21.55	86.6	8.39	86.4	.0546	.7234	18.40.8	C	Noon.
21	24.846	21.21	87.0	8.58	86.7	.0491	.7255	18.42 5	R	1 12 p. m.
22	24.639	21.00	87.2	8.59	87.0	.0456	.7256	18.42.9	R	2 12 „
23	25.463	20.85	87.2	8.55	87.5	.0431	.7251	18.43.1	R	3 12 „
APR. 24TH-Noon.	26.286	20.71	87.0	8.49	88.0	.0409	.7256	18.43.6	R	4 12 „
1	26.561	20.64	87.0	8.42	88.0	.0397	.7248	18.43.4	B	5 12 „
2	26.080	20.63	86.2	8.43	87.5	.0395	.7247	18.43.4	B	6 12 „
3	26.012	20.49	85.2	8.46	86.6	.0373	.7253	18.44.0	B	7 12 „
4	26.149	20.40	84.6	8.48	86.0	.0358	.7255	18.44.2	B	8 12 „
5	26.286	20.29	84.4	8.53	85.7	.0340	.7260	18.44.6	C	9 12 „
6	26.012	20.53	83.9	8.46	85.4	.0379	.7242	18.43.4	C	10 12 „
7	26.561	20.47	84.0	8.61	85.3	.0370	.7258	18.44.2	C	11 12 „
8	26.904	20.26	83.8	8.60	85.0	.0335	.7257	18.44.6	C	Midnight.
9	26.904	20.43	83.5	8.54	84.6	.0363	.7250	18.44.0	R	1 12 a. m.
10	26.561	20.48	83.2	8.51	84.1	.0371	.7247	18.43.8	R	2 12 „
11	26.286	20.45	82.8	8.54	84.0	.0366	.7250	18.43.9	B	3 12 „
12	26.355	20.49	82.4	8.53	83.7	.0373	.7249	18.43.8	B	4 12 „
13	26.698	20.43	82.0	8.61	83.6	.0363	.7258	18.44.3	C	5 12 „
14	27.864	20.55	81.9	8.69	83.4	.0382	.7267	18·44.4	C	6 12 „
15	27.795	20.70	82.5	8.49	83.0	.0407	.7245	18.43.2	R	7 12 „
16	27.933	21.16	83.5	8.32	84.0	.0482	.7226	18·41·5	R	8 12 „
17	28.207	21.70	84.6	8.09	84.8	.0571	.7201	18.39.3	B	9 12 „
18	27.041	22.15	85.9	7.87	85.6	.0644	.7177	18.37.5	B	10 12 „
19	25.737	22.07	86.2	7.84	86.0	.0632	·7173	18.37.4	C	11 12 „
20	24.021	21.94	87.0	7.90	86.8	.0610	·7180	18.38.0	C	Noon.
21	23.884	21.64	87.5	8.16	87.1	.0561	.7209	18.39.7	R	1 12 p. m.
22	24.502	21.08	87.7	8.15	87.7	.0469	.7208	18.40.9	R	2 12 „
23	26.963	20.80	87.7	8.28	88.0	.0423	.7222	18.42.0	B	3 12 „

On the 22nd, at about 19h., Dip as obtained by Observation was 19°10′0.

DAILY OBSERVATIONS FROM 25TH TO 28TH APRIL 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Apr. 25th-Noon.	26·492	20.41	87°5	8.27	88°4	8.0360	2.7221	18°42'8	B	4 12 p.m.
1	26.218	20.53	86.9	8.16	88.0	.0379	.7209	18.42.1	C	5 12 ,,
2	25.875	20.33	86.0	8.20	87.2	.0346	.7213	18.42.6	C	6 12 ,,
3	25.189	20.42	85.0	8.19	86·5	.0361	.7212	18.42.4	R	7 12 ,,
4	25·532	20.45	84.7	8.29	85·7	.0366	.7223	18.42.8	R	8 12 ,,
5	26.149	20.34	84.0	8.27	85.5	.0348	.7221	18.42.9	B	9 12 ,,
6	26.561	20.35	84.0	8.32	85.2	.0349	.7226	18.43.1	B	10 12 ,,
7	26.286	20.42	84.0	8.33	85.0	.0361	·7227	18.43.1	C	11 12 ,,
8	26.355	20.35	83.9	8.33	85.0	.0349	.7227	18.43.2	C	Midnight.
9	26.355	20.37	83.6	8.34	84.5	.0353	.7228	18.43.2	R	1 12 a. m.
10	26·355	20.38	83.5	8.34	84.5	.0354	.7228	18.43.2	R	2 12 ,,
11	26.423	20·49	83·0	8.32	84.0	.0373	.7226	18.42.9	R	3 12 ,,
12	26.080	20.50	82.9	8.32	84.0	.0374	·7226	18.42.9	R	4 12 ,,
13	26.012	20.52	82.9	8.42	84.0	.0377	.7237	18.43.4	B	5 12 ,,
14	26.835	20·56	82.9	8.62	83.9	.0384	.7259	18.44.2	B	6 12 ,,
15	28.481	20.75	83.6	8.60	83.9	.0415	.7257	18.43.5	B	7 12 ,,
16	29.579	21.08	84.0	8.38	84.2	.0469	.7233	18.41.9	B	8 12 ,,
17	29.099	21.61	84.6	7.95	85.0	.0556	.7186	18.38.8	C	9 12 ,,
18	27.452	21.97	85.1	7.67	85.6	.0615	.7155	18 36.9	C	10 12 ,,
19	25.532	21.99	85.9	7.40	85.9	.0618	.7125	18.35.7	C	11 12 ,,
20	24.021	21·76	86.4	7.64	86.3	.0581	.7151	18.37.3	C	Noon.
21	23.130	21.63	87.0	7.81	87.0	.0559	.7170	18.38.2	R	1 12 p. m.
22	23.609	21.04	87.0	8.07	87.0	.0463	.7199	18.40.6	R	2 12 ,,
23	24.846	20.73	86.7	8.33	87·5	.0412	.7227	18.42.5	R	3 12 ,,
Apr. 26th-Noon.	26.080	20.64	86.8	8.23	87.5	.0397	.7216	18.42.1	R	4 12 ,,
1	26.149	20.47	86.2	8.22	87.4	.0370	.7215	18·42.5	B	5 12 ,,
2	25·600	20.48	85.4	8.26	86·8	.0371	.7220	18.42.7	B	6 12 ,,
3	25.463	20.43	84.5	8.24	86.2	.0363	.7217	18·42.7	B	7 12 ,,
4	25.257	20.34	84.1	8.27	85·6	.0348	.7221	18.42·9	B	8 12 ,,
5	25.600	20.47	84.0	8·31	85.2	.0370	.7225	18.42.9	C	9 12 ,,
6	25.875	20.50	83.9	8.35	85.0	.0374	.7230	18.43.1	C	10 12 ,,
7	26.218	20.46	83.6	8.35	85.0	.0368	.7230	18.43.1	C	11 12 ,,
8	26.218	20.49	83.6	8.40	84.9	.0373	.7235	18.43.3	C	Midnight.
9	26.080	20.53	83.8	8.39	84.7	.0379	.7234	18.43.1	R	1 12 a. m.
10	26.286	20.47	83.6	8.44	84.5	.0370	.7239	18.43.4	R	2 12 ,,
11	26.218	20.46	83.2	8.43	84.2	.0368	.7238	18.43.4	R	3 12 ,,
12	26.012	20.44	83.0	8.57	84.0	.0365	.7254	18.44.0	R	4 12 ,,
13	25.943	20.52	83.0	8.64	84.0	.0377	.7261	18.44.2	B	5 12 ,,
14	27.109	20·52	82.6	8.86	83.7	.0377	.7286	18.45.2	B	6 12 ,,
15	28·413	20.73	83.2	8.81	83.6	.0412	.7280	18.44·5	B	7 12 ,,
16	29.510	21.18	83.8	8.64	84.1	.0484	.7261	18.42.8	B	8 12 ,,
17	29.263	21.74	84.5	8.25	84.9	.0578	.7219	18.39.9	C	9 12 ,,
18	27.247	22.12	85.4	7·84	85.4	.0639	.7173	18.37.3	C	10 12 ,,
19	24.776	22.39	86.0	7.68	86.0	·0684	.7156	18.36.2	C	11 12 ,,
20	23.816	22.19	86·9	7.75	86.5	·0651	.7164	18.36.7	C	Noon.
21	22.444	21·91	87·0	8.05	87·0	.0605	.7197	18.38.7	R	1 12 p. m.
22	23.130	21.73	87.3	8.39	87.1	.0576	.7234	18.40.6	R	2 12 ,,
23	24.639	21.26	87.4	8.57	87.4	.0499	.7254	18.42.3	R	3 12 ,,
Apr. 28th-Noon.	25.669	21.31	87.8	8.37	89.0	.0507	.7232	18.41.3	B	4 12 ,,
1	26.012	21.02	87.3	8.41	88.5	.0459	.7236	18.42.1	B	5 12 ,,
2	25.943	20.85	86.3	8.35	87·8	.0431	.7230	18.42.3	B	6 12 ,,
3	25.660	20.78	85.4	8.23	87.0	.0419	.7216	18.41.8	B	7 12 ,,
4	25.600	20·71	84.8	8.34	86.5	.0409	.7228	18.42.5	B	8 12 ,,
5	25.875	20.67	84.6	8.40	86.0	.0402	.7235	18.42.9	C	9 12 ,,
6	25.943	20.47	84.4	8.39	85.8	.0370	.7234	18.43.2	C	10 12 ,,
7	26.012	20.52	84.0	8.47	85.5	.0377	.7243	18.43.5	C	11 12 ,,
8	26.080	20.62	84.0	8.46	85.3	.0393	·7242	18.43.2	C	Midnight.
9	26.218	20.70	83.9	8.50	85.0	.0407	.7246	18.43.2	R	1 12 a. m.
10	25.875	20.67	83.7	8.45	85·0	.0402	.7241	18.43.1	R	2 12 ,,
11	25.875	20.59	83.3	8.44	84.5	.0389	.7239	18.43.1	R	3 12 ,,

On the 26th, at about 19h. 25m., Dip as obtained by Observation was 19°05'3.

DAILY OBSERVATIONS, FROM 28TH TO 30TH APRIL 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.	°									h. m.
Apr. 28th—12	26'355	20.54	83°0	8.52	84°1	8.0381	2.7248	18°43'7	R	4 12 a. m.
13	26.492	20.54	82.9	8.40	84.0	.0381	.7235	18.43.2	B	5 12 „
14	26.149	20.65	82.8	8.67	83.9	.0398	.7265	18.44.0	B	6 12 „
15	27.658	20.83	83.2	8.86	83.7	.0428	.7286	18.44.4	B	7 12 „
16	28.619	21.23	84.0	8.68	84.2	.0494	.7266	18.42.8	B	8 12 „
17	27.864	21.77	84.3	8.34	84.5	.0583	.7228	18.40.3	C	9 12 „
18	26.904	21.98	85.0	8.27	85.0	.0616	.7221	18.39.4	C	10 12 „
19	25.532	22.18	86.0	8.17	85.7	.0649	.7211	18.38.6	C	11 12 „
20	23.816	22.01	86.4	8.08	86.0	.0622	.7200	18.38.6	C	Noon.
21	24.159	21.96	87.0	8.00	86.5	.0613	.7191	18.38.4	R	1 12 p. m.
22	24.159	21.83	87.5	7.98	87.5	.0592	.7189	18.38.5	R	2 12 „
23	23.816	21.57	87.8	8.04	88.0	.0550	.7195	18.39.3	R	3 12 „
Apr. 29th-Noon.	24.159	21.37	88.0	8.16	88.5	.0517	.7209	18.40.2	R	4 12 „
1	24.846	21.14	87.5	8.38	88.6	.0479	.7233	18.41.8	B	5 12 „
2	25.943	21.03	87.1	8.44	88.1	.0461	.7239	18.42.2	B	6 12 „
3	25.737	20.67	86.5	8.45	87.6	.0402	.7241	18.43.1	B	7 12 „
4	25.600	20.78	86.0	8.57	87.2	.0420	.7254	18.43.3	B	8 12 „
5	25.669	20.86	85.5	8.65	86.9	.0433	.7263	18.43.5	C	9 12 „
6	25.669	20.73	85.0	8.68	86.5	.0412	.7266	18.43.9	C	10 12 „
7	26.012	20.85	84.8	8.63	86.0	.0431	.7266	18.43.6	C	11 12 „
8	26.218	20.76	84.2	8.77	85.5	.0417	.7276	18.44.1	C	Midnight.
9	26.698	20.77	84.0	8.84	85.4	.0419	.7283	18.44.4	R	1 12 a. m.
10	26.561	20.80	83.9	8.85	85.0	.0423	.7285	18.44.5	R	2 12 „
11	26.286	20.84	83.7	8.85	85.0	.0430	.7285	18.44.4	R	3 12 „
12	25.669	20.81	83.4	8.84	84.6	.0425	.7283	18.44.3	R	4 12 „
13	26.355	20.74	83.2	8.89	84.5	.0414	.7289	18.44.8	B	5 12 „
14	26.561	20.86	83.1	9.03	84.3	.0433	.7304	18.45.1	B	6 12 „
15	27.727	21.08	83.4	9.10	84.1	.0469	.7312	18.44.9	B	7 12 „
16	28.138	21.41	83.9	8.98	84.3	.0524	.7299	18.43.9	B	8 12 „
17	27.384	21.98	84.9	8.55	85.0	.0616	.7252	18.40.6	C	9 12 „
18	26.012	22.10	85.3	8.41	85.4	.0636	.7236	18.39.8	C	10 12 „
19	24.639	22.53	86.0	8.42	86.0	.0707	.7237	18.39.0	C	11 12 „
20	25.189	22.37	86.8	8.55	86.7	.0681	.7252	18.39.9	C	Noon.
21	24.846	22.19	87.4	8.51	87.1	.0651	.7247	18.40.1	R	1 12 p. m.
22	24.983	21.83	87.9	8.62	88.0	.0592	.7259	18.41.3	R	2 12 „
23	24.846	21.64	88.0	8.56	88.5	.0561	.7253	18.41.5	R	3 12 „
Apr. 30th-Noon.	24.776	21.43	88.0	8.56	88.6	.0527	.7253	18.41.9	R	4 12 „
1	25.669	21.14	87.4	8.76	88.5	.0479	.7275	18.43.4	B	5 12 „
2	25.806	21.01	86.5	8.74	88.0	.0458	.7272	18.43.4	B	6 12 „
3	25.600	20.87	85.6	8.72	87.2	.0435	.7270	18.43.7	B	7 12 „
4	25.600	20.89	85.2	8.68	86.6	.0438	.7266	18.43.5	B	8 12 „
5	25.532	20.75	85.0	8.68	86.0	.0415	.7266	18.43.7	C	9 12 „
6	25.669	20.74	84.3	8.75	85.8	.0414	.7274	18.44.2	C	10 12 „
7	26.218	20.80	84.0	8.76	85.4	.0423	.7275	18.44.1	C	11 12 „
8	26.218	20.72	83.9	10.15	85.0	.0410	.7428	18.50.3	C	Midnight.
9	26.218	20.75	83.7	10.05	85.0	.0415	.7417	18.49.7	R	1 12 a. m.
10	26.149	20.78	83.5	10.04	84.5	.0420	.7415	18.49.6	R	2 12 „
11	26.080	20.69	83.3	10.05	84.2	.0405	.7417	18.49.9	R	3 12 „
12	26.218	20.69	83.0	10.12	84.0	.0405	.7424	18.50.1	R	4 12 „
13	26.080	20.72	82.9	10.13	83.6	.0410	.7425	18.50.2	B	5 12 „
14	26.904	20.80	82.6	10.31	83.6	.0423	.7445	18.50.8	B	6 12 „
15	28.138	21.04	82.9	10.26	83.6	.0463	.7440	18.50.1	B	7 12 „
16	27.315	21.72	83.5	9.98	84.2	.0574	.7469	18.47.4	B	8 12 „
17	26.080	22.21	84.5	9.85	85.0	.0655	.7395	18.45.7	C	9 12 „
18	24.707	22.53	85.3	9.64	85.4	.0707	.7371	18.44.1	C	10 12 „
19	23.677	22.50	86.1	9.62	85.8	.0702	.7369	18.44.1	C	11 12 „
20	23.677	22.39	86.8	9.55	86.5	.0684	.7362	18.44.1	C	Noon.
21	24.295	22.27	87.0	9.61	87.0	.0665	.7368	18.44.5	R	1 12 p. m.
22	25.326	22.01	87.2	9.72	87.2	.0622	.7380	18.45.6	R	2 12 „
23	26.080	21.64	87.0	9.83	87.5	.0561	.7392	18.46.8	R	3 12 „

On the 29th, at about 19h., Dip as obtained by Observation was 18°57'5.

DAILY OBSERVATIONS, FROM 1ST TO 3RD MAY 1861.

DATE. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1861.
h.										h. m.
MAY 1ST-Noon.	26·904	21.35	86·8	9.93	87·5	8.0513	2.7403	18°48'0	R	4 12 p. m.
1	27.109	21.02	86.3	9.82	87.4	.0459	.7391	18.48.1	R	5 12 "
2	26.492	20.87	85.5	9.71	87.0	.0435	.7379	18.47.9	R	6 12 "
3	25.189	21.09	84.8	9.68	86.0	.0471	.7376	18.47.1	R	7 12 "
4	24.639	20.96	84.5	9.77	85.5	.0449	.7386	18·48.0	R	8 12 "
5	24.707	21.06	84.2	9.86	85.4	.0466	.7396	18.48.2	B	9 12 "
6	25.394	20.95	84.1	9.91	85.2	.0447	.7401	18.48.6	B	10 12 "
7	25.737	20.88	84.0	9.97	84.9	.0436	.7408	18.49.1	B	11 12 "
8	26.149	20.86	83.9	10.04	84.8	.0433	.7415	18·49.5	B	Midnight.
9	25.875	20.86	83.8	9.94	84.8	.0433	.7404	18.49.0	C	1 12 a. m.
10	26.080	20.79	83.4	9.94	84.6	.0422	.7404	18.49.1	C	2 12 "
11	25.875	20·77	83.3	9.92	84.1	.0419	.7402	18.49.0	C	3 12 "
12	25.943	20.74	83.0	9·90	84.0	.0414	.7400	18.49.2	C	4 12 "
13	25.875	20.79	83.0	9.92	84.0	.0422	.7402	18.49.0	R	5 12 "
14	26.835	20.97	83.0	10.21	83.7	.0451	.7435	18·50.0	R	6 12 "
15	28.550	21.18	83.6	9.92	84.0	.0485	.7402	18.48.1	R	7 12 "
16	28.550	21.72	84.4	9.48	84.6	.0574	.7354	18.45.3	R	8 12 "
17	26.698	22.46	85.5	9.07	85.5	.0696	.7309	18.41.8	B	9 12 "
18	24.707	22.70	86.6	9.24	86.3	.0735	.7327	18.42.1	B	10 12 "
19	23.335	22.75	87.5	9.46	86.9	.0743	.7352	18.43.0	B	11 12 "
20	23.130	22.58	88.0	9.67	87.3	.0715	.7375	18.44.1	B	Noon.
21	23.677	22.43	88.5	10.03	88·3	.0691	.7414	18.46.0	C	1 12 p. m.
22	24.846	22.10	89·1	10.03	88.9	.0636	.7414	18.46.7	C	2 12 "
23	25.806	21.63	88.6	9.97	88.9	.0559	.7408	18.47.5	C	3 12 "
MAY 2ND-Noon.	26.492	21.35	88.1	9.86	88.7	.0513	.7396	18.47.7	C	4 12 "
1	26.561	20·96	87.0	9.54	88.0	.0449	.7360	18.47.0	R	5 12 "
2	25.875	20.78	86.0	9.33	87.5	.0420	.7337	18.46.6	R	6 12 "
3	25.532	20.78	85.7	9.41	87.0	.0420	.7346	18.46.9	R	7 12 "
4	25.669	20.65	85.3	9.55	86.5	.0398	.7361	18.47.7	R	8 12 "
5	25.737	20.58	84.6	9.64	86.2	.0387	.7371	18.48·2	B	9 12 "
6	25.532	20.60	84.5	9.77	85·7	.0390	.7386	18.48.8	B	10 12 "
7	25.492	20.72	84.5	9.82	85.5	.0410	.7391	18.48.8	B	11 12 "
8	25·875	20.75	84.2	9.88	85.2	.0415	.7398	18.48.9	B	Midnight.
9	26.080	20.61	84.1	9.89	85·1	.0392	.7399	18.49.3	C	1 12 a. m.
10	25.875	20·63	84.0	9.75	85.0	.0395	.7384	18.48.6	C	2 12 "
11	25·737	20.71	83.9	9.75	84.9	.0409	.7384	18·48.5	C	3 12 "
12	25.600	20.85	83.8	9.79	84.9	.0431	.7388	18.48.4	C	4 12 "
13	26.423	20.70	83.7	9.95	84·9	.0407	.7406	18.49.4	R	5 12 "
14	27.727	20.72	83.5	10.44	84.5	.0410	.7459	18.51.5	R	6 12 "
15	28.824	20.83	84.2	10.32	84.6	.0428	.7446	18.50.7	R	7 12 "
16	28·550	21.26	85.0	9.95	84.9	.0499	.7406	18·48l2	R	8 12 "
17	26.698	21.76	85.5	9.51	85.4	.0581	.7356	18.45.3	B	9 12 "
18	23.953	22.08	86.2	9.32	85.8	.0633	.7336	18.43.8	B	10 12 "
19	22.649	22.05	86.9	9.45	86.5	.0628	.7351	18.44·4	B	11 12 "
20	22.237	21.92	87.5	9.54	87.2	.0606	.7360	18.45.0	B	Noon.
21	22.444	21.68	88.0	9.78	87.9	.0567	.7387	18·46·6	C	1 12 p. m.
22	23·267	21.39	88.3	10.03	88.4	.0520	.7414	18.48.2	C	2 12 "
23	24.846	21.18	88.7	10.21	89.0	.0485	.7435	18.49.5	C	3 12 "
MAY 3RD-Noon.	25.875	21.07	88.9	10.27	89.1	.0468	.7441	18.50.0	C	4 12 "
1	26.355	20.94	88.3	10.28	89.4	.0446	.7412	18.50.2	R	5 12 "
2	26.904	20.71	87.4	10.26	88.6	.0409	.7440	18.50.8	R	6 12 "
3	26.423	20.60	86.4	10.11	87.9	.0390	.7423	18.50·3	R	7 12 "
4	26.080	20.62	85.7	10.11	87.0	.0393	.7423	18.50.3	R	8 12 "
5	25.532	20.52	85.2	9.60	86.6	.0377	.7367	18.48.3	B	9 12 "
6	25.669	20.75	85.1	9.64	86.4	.0415	.7371	18.47.8	B	10 12 "
7	25.737	20.78	84.6	9.68	86.1	.0420	.7376	18·48.0	B	11 12 "
8	25.943	20.51	84.2	9.73	85.7	.0376	.7381	18.48.8	B	Midnight.
9	26.355	20·52	84.0	9.79	85.5	.0377	.7388	18.49.1	C	1 12 a. m.
10	26.492	20·53	83.8	9.78	85.3	.0379	.7387	18.49.1	C	2 12 "
11	25.875	20.68	83.5	9.75	85.0	.0403	.7384	18.48.6	C	3 12 "

On the 2nd, at about 19h., Dip as obtained by Observation was 19°02'.1

DAILY OBSERVATIONS, FROM 3RD TO 6TH MAY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
May 3rd—12	26·218	20.68	83·2	9.85	84·9	8.0403	2.7395	18°49′1	C	4 12 a. m.
13	26.561	20.66	83.2	9 94	84.6	·0400	.7404	18.49.4	R	5 12 „
14	27.452	20.79	83.3	10.04	84.5	.0422	.7415	18.49.6	R	6 12 „
15	27·590	20.93	83.8	9.88	84.7	.0444	.7398	18.48.7	R	7 12 „
16	27·452	21.34	84.5	9.67	85.0	.0512	.7375	18.46·9	R	8 12 „
17	26.218	21.62	85.1	9.48	85·2	.0557	.7354	18.45.4	B	9 12 „
18	24.846	21.92	85.6	9.32	85·6	.0606	.7336	18.44.1	B	10 12 „
19	23.130	21.98	86.5	9.27	86.4	.0616	.7331	18.43.7	B	11 12 „
20	23·060	21.87	87.1	9.36	86.9	.0599	.7341	18.44.4	B	Noon.
21	23.746	21.82	87.5	9.48	87·4	.0590	.7354	18.45.0	C	1 12 p. m.
22	23.746	21.64	88.0	9.74	88.0	.0561	.7382	18.46.4	C	2 12 „
23	24.502	21.36	87.3	9.76	88.5	.0515	.7385	18·47.1	C	3 12 „
May 5th-Noon.	25.669	21.25	88.8	10.29	89.7	.0497	.7443	18.49.7	R	4 12 „
1	24.983	21.48	88.3	9.99	89.5	.0535	.7410	18.47.9	R	5 12 „
2	24.914	21.40	87.7	9·89	89.0	.0522	.7399	18.47.6	R	6 12 „
3	24.159	21.11	87.0	9.70	88.4	.0474	.7378	18.47.5	R	7 12 „
4	24.295	21.02	86.6	9.96	88.0	.0459	·7407	18.48.8	R	8 12 „
5	24.914	20.79	86.3	9.75	87.5	.0422	.7384	18.48.3	B	9 12 „
6	25.600	20.93	86.0	9·92	87.2	.0444	.7402	18.48.8	B	10 12 „
7	25.875	20.86	85.6	9.99	87.0	.0433	.7410	18.49.3	B	11 12 „
8	25.737	20.49	85.4	9.92	86.7	.0373	.7402	18.49.7	B	Midnight.
9	25.532	20.52	85.0	9.90	86·5	.0377	.7400	18.49·6	C	1 12 a. m.
10	25.875	20.52	84.9	9·96	86.2	.0377	.7407	18.49.9	C	2 12 „
11	25.943	20.86	84.8	9.98	86.0	.0433	.7409	18.49.2	C	3 12 „
12	25.669	20.78	84·6	9.96	85.9	.0420	.7407	18.49.3	C	4 12 „
13	26.218	20.62	84.0	10.17	85.6	.0393	.7430	18.50.6	R	5 12 „
14	26.561	20.57	84·0	10.41	85.0	·0387	.7456	18.51.6	R	6 12 „
15	28.824	20.81	84.5	10.30	85.1	.0425	.7444	18·50.6	R	7 12 „
16	29.648	21.15	85.0	10.21	85.5	.0480	.7434	18.49.6	R	8 12 „
17	28·413	21.67	85.6	9.53	86.1	.0566	.7359	18.45.5	B	9 12 „
18	26.080	22.02	86·5	9.20	86.5	.0623	.7323	18.43.4	B	10 12 „
19	24.639	22.11	87.2	9.22	87.2	.0628	.7325	18.43.3	B	11 12 „
20	23.816	22.00	87·6	9·83	87.6	.0620	·7392	18.46.0	B	Noon.
21	23.884	21.79	88.2	10.10	88.2	·0586	.7422	18.47.6	C	1 12 p. m.
22	24.846	21.58	88.8	10.07	88.9	.0551	.7419	18.48.0	C	2 12 „
23	25.806	21.40	89.1	10.33	89.4	.0522	.7447	18.49.6	C	3 12 „
May 6th-Noon.	26.286	21.26	89.1	10.44	89.9	.0495	.7459	18.50.3	C	4 12 „
1	26.561	21.15	88.8	10.38	89.9	.0480	.7453	18.50.4	R	5 12 „
2	25.806	21.23	88.0	10.28	89.3	.0494	.7442	18.49.7	R	6 12 „
3	25·532	20.88	87.4	10.27	88.9	.0436	.7441	18.50.4	R	7 12 „
4	25.532	20.71	87.0	10.24	88.1	.0409	.7437	18.50.7	R	8 12 „
5	25.737	20.70	86.6	9.95	87·8	.0407	.7426	18.50.2	B	9 12 „
6	25.806	20.77	86.3	9.98	87·6	.0419	.7429	18.50.1	B	10 12 „
7	26.286	20.79	86.1	10.05	87.5	.0422	.7417	18.49.7	B	11 12 „
8	26.423	20.69	85.5	10.06	87.1	.0405	.7418	18.50.4	B	Midnight.
9	26.561	20.74	85.2	10.11	86.9	.0414	.7423	18.50.1	C	1 12 a. m.
10	26.766	20.62	85.1	10.21	86.9	.0393	.7434	18.50.7	C	2 12 „
11	26.423	20.68	84.8	10.19	86·2	.0403	.7432	18.50.5	C	3 12 „
12	26.561	20.65	84.6	10.28	85.9	.0398	.7442	18.50.9	C	4 12 „
13	26.904	20.63	84.5	10.33	85.9	.0395	.7447	18.51.2	R	5 12 „
14	27.384	20.72	84.7	10.71	85.7	.0410	.7489	18·52.6	R	6 12 „
15	28.070	20.98	85.0	10.58	86.0	.0452	.7475	18.51.5	R	7 12 „
16	27.521	21.38	86.0	10.39	86.2	.0518	.7454	18.49.8	R	8 12 „
17	26.286	21.75	86.4	9.85	86.6	.0579	.7395	18.46·8	B	9 12 „
18	24.090	22.09	86.9	9.76	87.1	.0635	.7385	18.45·6	B	10 12 „
19	23.335	22.24	87.5	9.78	87.5	·0660	.7387	18.45·4	B	11 12 „
20	23·198	22.17	88.1	10.19	87.9	.0648	.7432	18.47.2	B	Noon.
21	23.677	21·82	88.4	10.40	88.2	.0590	.7455	18.49.0	C	1 12 p. m.
22	25.189	21.67	88.9	10.53	89.0	.0566	.7469	18.49.7	C	2 12 „
23	26.080	21.44	89.1	10.36	89.4	.0529	.7480	18.50.7	C	3 12 „

On the 3rd, at about 19h., Deflection Observations were taken.
On the 6th, at about 19h. 45m., Dip as obtained by Observation was 19°10′0.

DAILY OBSERVATIONS, FROM 7TH TO 9TH MAY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
May 7th-Noon.	27·109	21.20	89°1	10.65	90°1	8.0489	2.7483	18°51′3	C	4 12 p. m.
1	27·178	20.98	88.7	10.49	89.8	.0452	.7465	18.51.1	R	5 12 "
2	26.355	20.86	87.9	10.28	89.3	.0433	.7442	18.50.5	R	6 12 "
3	25.875	20.82	87.3	10.26	88.6	.0426	.7440	18.50.5	R	7 12 "
4	25.737	20.78	87.0	10.30	88.2	.0420	.7444	18.50.7	R	8 12 "
5	25.737	20.70	86.5	10.23	87.8	.0407	.7436	18.50.6	B	9 12 "
6	25.875	20.74	86.4	10.43	87.5	.0414	.7453	18.51.3	B	10 12 "
7	26.149	20.77	86.2	10.47	8.73	.0419	.7463	18.51.4	B	11 12 "
8	26.355	20.79	86.0	10·49	87.1	.0422	.7465	18.51.5	B	Midnight.
9	26.492	20.80	85.8	10.51	86.9	.0423	.7467	18·51.6	C	1 12 a. m.
10	26.492	20.81	85.6	10.54	86.7	.0425	.7470	18.51.6	C	2 12 "
11	26.561	20.81	85.4	10.57	86.4	.0425	.7474	18.51.7	C	3 12 "
12	26.492	20.86	85.2	10.59	86.4	.0433	.7476	18.51.8	C	4 12 "
13	26.835	20.85	85.0	10.68	86.0	.0431	.7486	18.52.2	R	5 12 "
14	27.795	20.82	85.0	10.68	86.0	.0426	.7486	18.52.2	R	6 12 "
15	27.933	20.95	85.3	10.53	86.0	.0447	.7469	18.51.2	R	7 12 "
16	27.521	21.29	85.8	10.36	86.1	.0504	.7451	18.50.0	R	8 12 "
17	26.972	21.87	86.5	10.20	86.6	.0599	.7433	18.48.0	B	9 12 "
18	25·943	22.07	87.3	9.97	87.2	.0632	.7428	18.47.4	B	10 12 "
19	24.502	22.37	87.9	9·78	87.6	.0681	.7387	18.45.2	B	11 12 "
20	23.816	22.32	88.5	9.80	88.3	.0672	·7389	18.45.3	B	Noon.
21	23.953	22.07	89.6	10.11	89.0	.0632	.7423	18.47.2	C	1 12 p. m.
22	25.051	21.77	89.4	10.28	89.4	.0583	.7442	18.48.6	C	2 12 "
23	25.600	21.58	89.6	10.30	90.0	.0551	.7444	18.49.0	C	3 12 "
May 8th-Noon.	25.875	21.35	89.5	10·37	90.2	.0513	.7451	18.49.9	C	4 12 "
1	25.875	20.77	89.0	10.31	90.3	.0419	.7445	18.50.8	R	5 12 "
2	26.286	20.65	88.5	10.22	90.0	.0398	.7435	18.50.7	R	6 12 "
3	25.875	20.65	87·8	10.28	89.4	.0398	.7442	18.50.9	R	7 12 "
4	25.806	20.62	87.3	10.26	88.6	.0393	.7440	18.51.0	R	8 12 "
5	25.875	20.71	87.0	10.30	88.2	.0409	.7444	18.50.9	B	9 12 "
6	26.218	20.52	86.5	10.28	87.6	.0377	.7442	18.51.2	B	10 12 "
7	26.149	20.67	86.2	10.41	87.5	.0402	.7456	18.51.5	B	11 12 "
8	26.218	20.69	86.0	10.47	87.4	.0405	.7463	18.51.6	B	Midnight.
9	26.904	20.65	85.8	10.51	87.1	.0398	.7467	18.51.9	C	1 12 a. m.
10	26·835	20·56	85.3	10.54	86.9	·0384	.7470	18.52.3	C	2 12 "
11	26.492	20.58	85.0	10.49	86.4	.0387	.7465	18.51·9	C	3 12 "
12	26·355	20.50	84.8	10.42	86.0	.0374	.7457	18.52.0	C	4 12 "
13	26.012	20.56	84.5	10.38	86.0	.0384	.7453	18.51.7	R	5 12 "
14	26,561	20.66	84.3	10.57	85.5	.0400	.7474	18·52.1	R	6 12 "
15	27.658	20·83	84.9	10.67	85.6	.0428	.7485	18.52.2	R	7 12 "
16	27.727	21.02	85.5	10.48	86·0	.0459	·7464	18·50.9	R	8 12 "
17	26·972	21.22	86·2	9.95	86.5	.0492	·7404	18.48.2	B	9 12 "
18	25.600	21.53	87.1	10.06	87.0	.0543	·7418	18.48.2	B	10 12 "
19	24.432	21.59	87.9	10.07	87.5	.0553	.7419	18.48.0	B	11 12 "
20	23.267	21·60	88.4	9.99	88.2	.0553	.7410	18.47.7	B	Noon.
21	23.060	21.54	89.0	10.12	88.9	.0545	.7424	18.48.2	C	1 12 p. m.
22	23·746	21.46	89.1	10.24	89.2	.0532	.7437	18.49.1	C	2 12 "
23	24.846	21.28	89.6	10.40	89.9	.0502	.7455	18.50.2	C	3 12 "
May 9th-Noon.	25.943	21.17	89.6	10.44	90.0	.0484	.7459	18.50.6	C	4 12 "
1	26.355	21.01	89.1	10.20	90.0	.0458	.7433	18.49.8	R	5 12 "
2	25.875	20.98	88.6	10.19	89.7	.0452	.7432	18.49.8	R	6 12 "
3	25.669	20.86	88.0	10.27	89.0	.0433	.7441	18.50.5	R	7 12 "
4	25·600	20.76	87·5	10.26	88.6	.0417	.7440	18.50.6	R	8 12 "
5	26.149	20.75	87.1	10.25	88.2	.0415	.7439	18.50.5	B	9 12 "
6	26.218	20.71	86.9	10.34	87.9	.0409	.7448	18.51.1	B	10 12 "
7	26.218	20.79	86.5	10.43	87.7	.0422	.7458	18.51.3	B	11 12 "
8	26.423	20.77	86·2	10.48	87.5	.0419	.7464	18.51.4	B	Midnight.
9	26.492	20·82	86.0	10.52	87.2	.0426	.7468	18.51.5	C	1 12 a. m.
10	26.629	20.86	85.9	10.49	87.0	.0433	.7465	18.51.4	C	2 12 "
11	26.561	20.95	85.8	10.44	86.7	.0447	.7459	18.50.9	C	3 12 "

DAILY OBSERVATIONS, FROM 9TH TO 12TH MAY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
May 9th—12	26·218	20.85	85·4	10.48	86·6	8.0431	2.7464	18°51'3	C	4 12 a. m.
13	26.355	20.82	85.1	10.53	86.0	.0426	.7469	18.51.5	R	5 12 „
14	26.904	20.95	85.0	10.68	86.0	.0447	.7486	18.51.9	R	6 12 „
15	27.864	21.13	85.5	10.59	86.2	.0477	.7476	18.51.2	R	7 12 „
16	27.315	21.38	86.0	10.20	86.5	.0518	.7433	18.50.0	R	8 12 „
17	26.561	21·73	86.8	10.01	87.1	.0576	.7412	18.47.4	B	9 12 „
18	25.394	22.05	87.5	9·95	87.5	.0628	.7406	18.46.5	B	10 12 „
19	23.953	22.23	88.2	9.99	88.0	.0658	.7410	18.46.3	B	11 12 „
20	23.060	22.25	88.8	10.01	88·5	.0661	.7412	18.46.3	B	Noon
21	23.609	22.14	89.4	10.27	89.1	.0643	.7441	18.47.8	C	1 12 p. m.
22	24.226	21·85	89.9	10.54	90.0	.0595	.7470	18.49.4	C	2 12 „
23	24.846	21.50	90.0	10·64	90.1	.0538	.7481	18.50.6	C	3 12 „
May 10th-Noon.	25.737	21.21	89.5	10.72	90.1	.0491	.7490	18.51.6	C	4 12 „
1	26.286	21.06	89.0	10.56	90·2	.0466	.7472	18.51·1	B	5 12 „
2	26.012	20.77	87.9	10.53	89.3	.0419	.7469	18.51.6	B	6 12 „
3	26.012	20.75	87.1	10.41	88.5	.0415	.7456	18.51.2	B	7 12 „
4	25.737	20.78	86.5	10.45	87.8	.0420	.7461	18.51.3	B	8 12 „
5	26.492	20.78	86.1	10·46	87.4	.0420	.7462	18.51.3	C	9 12 „
6	26.423	20.75	85.9	10.48	87.1	.0415	.7464	18·51.4	C	10 12 „
7	26.766	20.68	85.7	10.54	86·9	.0403	.7470	18.52.0	C	11 12 „
8	26.629	20·62	85·4	10·52	86.7	.0393	.7468	18.52.0	C	Midnight.
9	26·972	20.69	85.2	10.56	86.5	·0405	.7473	18.52.0	B	1 12 a. m.
10	26.766	20.82	85.1	10.59	86.4	.0426	.7476	18·51.8	B	2 12 „
11	26.835	20.81	84.7	10.59	86.2	·0425	.7476	18.51.8	B	3 12 „
12	26.149	20.75	84.6	10.60	86.0	.0415	.7477	18.52.0	B	4 12 „
13	26·629	20.85	84.7	10.73	86.0	·0431	.7491	18.52.4	N	5 12 „
14	28.138	20.82	84.6	10.96	85.9	.0426	.7520	18.53.6	N	6 12 „
15	29.236	20.92	84.8	10.82	85.8	.0442	.7501	18.52.7	N	7 12 „
16	29.785	20.97	85.4	10.58	86.0	.0451	·7475	18.51·5	N	8 12 „
17	28.619	21.28	86.0	10.05	86.5	.0502	.7416	18.48.6	C	9 12 „
18	26.835	21·74	86.9	9.76	87.0	.0578	.7385	18.46.4	C	10 12 „
19	25 189	21.97	87.9	9·73	87.6	.0615	.7381	18.45.6	C	11 12 „
20	24.639	21.67	88.5	9.95	88.2	.0566	.7406	18.47.4	C	Noon.
21	24.639	21.54	88.8	10.16	88.8	.0545	.7429	18.48.4	N	1 12 p. m.
22	25.051	21·26	88.8	10.39	89.0	.0499	.7454	18.50.1	N	2 12 „
23	25.120	21.18	88.8	10.43	89.2	·0485	.7458	18.50.4	N	3 12 „
May 12th-Noon.	24.983	21.59	88.3	10.58	89·4	·0553	.7475	18.50.2	R	4 12 „
1	25·532	21.29	87.7	10.41	89.0	.0504	.7456	18.50.2	R	5 12 „
2	25.189	21·02	86.8	10·49	88.4	.0459	.7465	18.51.0	R	6 12 „
3	25.051	20.93	86·0	10.43	87.6	.0444	.7458	18.51.1	R	7 12 „
4	25.051	20.94	85.5	10.51	87.0	.0446	.7467	18.51·2	R	8 12 „
5	25.532	20.83	85.2	10.60	86.5	.0428	.7477	18.51.9	B	9 12 „
6	25.806	20.85	85.0	10.67	86.3	.0431	·7485	18.52.2	B	10 12 „
7	25.806	20.91	84.8	10.70	86.1	.0441	.7488	18.52.2	B	11 12 „
8	26.012	20.94	84.5	10.72	85.7	.0446	.7490	18.51.9	B	Midnight.
9	26.423	20.89	84.1	10.77	85.5	.0438	.7496	18.52 5	C	1 12 a. m.
10	26.972	20.89	84.0	10.82	85.2	·0438	.7501	18.52.7	C	2 12 „
11	26.972	20.89	83.9	10.81	85.0	·0438	.7500	18·52.7	C	3 12 „
12	26.698	20.88	83.8	10.53	84.9	.0436	.7469	18.51.4	C	4 12 „
13	27.041	20.88	83.5	10.55	85.0	.0436	.7474	18.51.6	R	5 12 „
14	27.590	20.91	83.3	10.54	84.5	.0441	.7470	18.51.5	R	6 12 „
15	27.590	21.42	84.0	10.50	84.9	.0525	.7466	18.50.1	R	7 12 „
16	26.972	21.69	84.4	10.25	85.0	.0569	.7439	18.48.6	R	8 12 „
17	25.875	22.11	85.3	10·02	85.6	.0638	.7413	18.46.7	B	9 12 „
18	24.502	22.45	86.1	9.94	86.3	.0694	.7404	18.45.6	B	10 12 „
19	24.502	22.55	86.9	10.06	87.0	.0710	.7418	18.46.0	B	11 12 „
20	24.502	22.52	87.5	10.13	87.5	.0705	.7825	18.46·3	B	Noon.
21	24.295	22.32	87.9	10.19	88.0	.0672	.7432	18.47.0	C	1 12 p. m.
22	24.914	21.92	87.9	10.30	88.4	.0606	.7444	18.48.3	C	2 12 „
23	25.189	21.58	88.0	10.36	88.5	.0551	.7451	18.49.3	C	3 12 „

On the 9th, at about 19h. 30m., Dip as obtained by Observation was 19°08'1.
On the 10th, at about 10h. 45m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 13TH TO 15TH MAY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.	°							°		h. m.
May 13th-Noon.	26·218	21.32	87·9	10.42	88·9	8.0508	2.7457	18°50′0	C	4 12 p. m.
1	26.492	20.96	87.5	10.15	88.9	.0449	.7428	18.49.7	B	5 12 „
2	25 943	20.89	86.5	10.07	88.2	.0438	.7419	18.49.5	B	6 12 „
3	26.080	20.83	86.0	10.07	87.4	.0428	.7419	18.49.6	B	7 12 „
4	25.669	20.76	85.6	10.04	87.2	.0417	.7415	18.49.6	B	8 12 „
5	25.669	20.79	85.2	10.11	86.9	·0422	.7423	18.49.9	C	9 12 „
6	25.943	20.77	85.1	10.14	86.6	.0419	.7426	18.50.0	C	10 12 „
7	25.943	20.85	85.0	10.19	86.2	.0431	.7432	18.50.1	C	11 12 „
8	26.218	20.88	84.9	10.08	85.9	.0436	.7420	18.49.6	C	Midnight.
9	26.286	20.91	84.5	10.05	85.7	.0441	.7417	18.49.5	B	1 12 a. m.
10	25.875	20.91	84.5	10.09	85.6	.0441	.7421	18.49.6	B	2 12 „
11	26.149	20.82	84.2	10.07	85.5	.0426	.7419	18.49.6	B	3 12 „
12	26.355	20.89	84.1	10.16	85.2	.0433	.7429	18.49.9	B	4 12 „
13	26.149	21.08	83.9	10.17	85.0	.0469	.7430	18.49.6	N	5 12 „
14	26.698	21.07	84.0	10.25	85.0	.0468	.7439	18.49.9	N	6 12 „
15	26.766	21.29	84.3	10.15	85.0	.0504	.7423	18.49.1	N	7 12 „
16	26.561	21.60	85.0	9.88	85.2	.0554	.7398	18.47.2	N	8 12 „
17	25·875	21.90	86.0	9.68	86·1	.0603	.7376	18.45.7	C	9 12 „
18	24.846	22.16	86.9	9·65	86.7	.0646	.7373	18.44.9	C	10 12 „
19	23 746	22.32	87.4	9.46	87.1	.0672	.7352	18.43.9	C	11 12 „
20	23·060	22.38	88.0	9.65	87.7	.0682	.7373	18.44.6	C	Noon.
21	24·159	21.80	88·2	9.77	88.2	.0587	.7386	18.46.2	B	1 12 p. m.
22	24.982	21.81	88.4	9.71	88.6	.0588	.7379	18.45.9	B	2 12 „
23	25.326	21.51	88.2	9.77	88.9	.0540	.7386	18.46.9	B	3 12 „
May 14th-Noon.	25.189	21.31	88.3	9.80	89.2	.0507	.7389	18.47.4	B	4 12 „
1	25.875	21.11	88.0	9.64	89.2	.0474	.7371	18.47.2	C	5 12 „
2	25.943	20.86	87.3	9.91	88.9	.0433	.7401	18.48.9	C	6 12 „
3	25.532	20.84	86.9	9.95	88.2	.0430	.7406	18.49.2	C	7 12 „
4	25.532	20.84	86.2	10.05	87.6	.0430	.7417	18.49.7	C	8 12 „
5	26.149	20·82	85.7	10.10	87.3	.0426	.7422	18.49.7	B	9 12 „
6	25.875	20.89	85.5	10.26	86.9	.0438	.7440	18.50.4	B	10 12 „
7	26.080	20.97	85.4	10.32	86.6	.0451	.7446	18.50.4	B	11 12 „
8	26.012	20.91	85.1	10·45	86.5	.0441	.7461	18.51.1	B	Midnight.
9	25.875	20.89	85.0	10.38	86.1	.0438	.7453	18.50.9	C	1 12 a. m.
10	25.875	21.04	84.9	10.38	85.9	.0463	.7453	18.50.7	C	2 12 „
11	25.669	20.91	84.8	10·38	85.9	.0441	.7453	18.50.9	C	3 12 „
12	25.875	20.96	84.8	10.39	85.8	.0449	.7454	18.50.7	C	4 12 „
13	26.080	20.94	84.8	10.45	85.8	.0446	.7461	18.50.9	N	5 12 „
14	27.315	20.85	84.7	10.71	85.4	.0431	.7489	18.52.3	N	6 12 „
15	28.276	20.98	85·0	10.57	85.5	.0452	.7474	18.51.4	N	7 12 „
16	28.619	21.17	85.5	10.27	85.8	.0484	.7441	18.49.9	N	8 12 „
17	27.658	21.65	86.0	9.96	86.1	.0562	.7407	18.47.5	B	9 12 „
18	26.012	21.89	86.5	9.70	86.6	.0602	.7378	18.45.8	B	10 12 „
19	24.226	22·24	87.5	9.54	87.3	.0660	.7360	18.44.3	B	11 12 „
20	23.335	22.24	88.3	9.69	87.9	.0660	.7377	18.45.0	B	Noon.
21	23.609	22.09	88.8	9.96	88.6	·0635	.7407	18.46.5	C	1 12 p. m.
22	23.953	21.88	89.0	10.23	89.0	.0600	.7436	18.48.1	C	2 12 „
23	25.669	21.50	89.5	10.42	89.9	.0538	.7457	18.49.8	C	3 12 „
May 15th-Noon.	26.629	21·33	89.4	10.42	90.0	.0510	.7457	18.50.2	C	4 12 „
1	26.972	21.13	89.4	10.25	90.2	.0477	.7439	18.49.8	B	5 12 „
2	26.012	20.95	88.5	10.04	89.6	.0447	.7415	18.49.2	B	6 12 „
3	25.493	20.86	87.6	10.15	88.9	.0433	.7423	18.50.0	B	7 12 „
4	25.532	20.93	87.2	10.11	88.5	.0444	.7423	18.49.7	B	8 12 „
5	25.669	20.94	86.9	10.24	88.1	.0446	.7437	18.50.1	C	9 12 „
6	26.012	20·95	86·5	10.28	87.8	.0447	.7442	18.50.2	C	10 12 „
7	26.218	20·95	86·4	10.33	87.5	.0447	.7447	18.50.5	C	11 12 „
8	26.080	21.02	86.2	10.34	87.3	.0459	.7448	18.50.4	C	Midnight.
9	26.835	20.84	86.1	10.37	87.3	.0430	.7452	18.50.9	B	1 12 a. m.
10	26.423	20.89	86.0	10.36	87.0	.0438	.7451	18.50.8	B	2 12 „
11	25.875	20.98	85.0	10.35	86.7	.0454	.7450	18.50.6	B	3 12 „

On the 13th, at about 19h. 45m., Dip as obtained by Observation was 19°11′2.

DAILY OBSERVATIONS, FROM 15TH TO 17TH MAY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
May 15th—12	26·218	20.94	85·2	10.40	86·5	8.0446	2.7455	18°50′8	B	4 12 a. m.
13	26.561	21.05	85·1	10.49	86.3	.0464	.7465	18.51.0	N	5 12 „
14	27.590	21.01	85·0	10.68	86.0	.0458	.7486	18.51.8	N	6 12 „
15	28.481	21.42	85.4	10.63	86.2	.0525	.7480	18.50.7	N	7 12 „
16	28.481	21.64	86.0	10.40	86.6	·0561	.7455	18.49.4	N	8 12 „
17	27.384	22.03	87.1	10.07	87.2	.0625	.7419	18.47.0	C	9 12 „
18	26.286	22.06	87.5	10.19	87.6	.0630	.7432	18.47.5	C	10 12 „
19	25·463	22.19	88.1	9.92	88·0	.0651	.7402	18.46.0	C	11 12 „
20	24.159	22.23	88.8	10.01	88.4	.0658	.7412	18.46.3	C	Noon.
21	24.363	21.77	89·0	10.21	88.3	.0583	.7434	18.48.3	B	1 12 p. m.
22	24.432	21.77	89.2	10.22	89.1	.0583	.7435	18.48.4	B	2 12 „
23	24.846	21.11	89·3	10.34	89.5	.0474	.7448	18.50.1	B	3 12 „
May 16th—Noon.	25.463	20.55	89.1	10·44	89.6	.0382	.7459	18.51·9	B	4 12 „
1	25.326	20.22	88.7	10.39	89.7	.0328	.7454	18.52.3	C	5 12 „
2	25.875	19.95	87.8	10.47	89.0	.0283	·7463	18·53.3	C	6 12 „
3	25.875	20.24	86.9	10.30	88.2	.0335	.7444	18 51.9	C	7 12 „
4	26.561	20.32	86.2	10.35	87.8	.0344	.7450	18·52.1	C	8 12 „
5	26.012	20.16	86.0	10.44	87·4	.0318	.7459	18.52·6	B	9 12 „
6	26.149	20.28	85.9	10.47	87.2	.0338	·7463	18.52.5	B	10 12 „
7	26.492	20.38	85.6	10.46	86.9	.0354	.7462	18.52.2	B	11 12 „
8	26.492	20.54	85.5	10·48	86.7	.0381	.7464	18·52·0	B	Midnight.
9	26.904	20.46	85.2	10.51	86.3	·0368	·7467	18.52.3	C	1 12 a. m.
10	26.766	20.47	85.1	10.54	86.3	·0370	.7470	18·52.5	C	2 12 „
11	27.041	21.00	85.0	10.53	86.1	.0456	.7475	18 51·4	C	3 12 „
12	26.766	20.82	84.9	10.52	85.9	.0426	.7468	18.51·5	C	4 12 „
13	27.247	20.56	84.6	10.57	85.8	.0384	·7474	18.52·4	R	5 12 „
14	28.276	20.48	84.6	10.85	85.5	.0371	.7505	18.53·8	R	6 12 „
15	29.510	20·52	85.0	10.67	85.6	.0377	.7485	18.52.9	R	7 12 „
16	29.305	20.93	85.7	10.38	86.0	.0444	.7453	18.50 9	R	8 12 „
17	27.933	21.11	86.2	10.09	86.3	·0474	.7421	18.49.2	B	9 12 „
18	27.178	21.23	86.6	10.05	86.6	·0494	.7417	18.48.8	B	10 12 „
19	26.492	21.32	87.5	9.97	87.3	.0508	.7408	18.48.2	B	11 12 „
20	25.669	21.23	87.9	9.99	87.9	.0494	.7410	18.48·5	B	Noon.
21	25.051	21.16	88.4	10.10	88.3	.0482	.7422	18·49.1	C	1 12 p. m.
22	24.707	20.77	88.7	10.22	88.9	.0419	.7435	18.50.4	C	2 12 „
23	25.532	20.75	88·4	10.07	89.0	.0415	·7419	18.49·6	C	3 12 „
May 17th—Noon.	26.080	20·43	88.6	10.12	89.3	.0363	.7424	18.50.7	C	4 12 „
1	26.498	19.83	88.4	10·29	89.2	.0264	.7443	18.52.8	R	5 12 „
2	25.943	20.40	87·5	10.26	88.8	.0358	·7440	18.51.4	R	6 12 „
3	26.766	19.82	86.8	10.34	88·0	.0262	.7448	18.53.0	R	7 12 „
4	25.737	20.12·	86·5	10.23	87.6	·0311	.7436	18.51.9	R	8 12 „
5	25.943	20·14	86.1	10.34	87.2	.0315	.7448	18.52.2	B	9 12 „
6	25.875	20.51	86·1	10.42	87·2	.0376	.7457	18.51·9	B	10 12 „
7	26.149	20.64	85.7	10.41	87·1	.0397	.7456	19.51·5	B	11 12 „
8	26.492	20·44	85.5	10 52	86.7	.0365	.7468	18.52.3	B	Midnight.
9	26·149	20.94	85.2	10.49	86.4	.0446	.7465	18.51.1	C	1 12 a. m.
10	26·766	20.60	85.0	10.44	86.2	.0390	.7459	18.51.7	C	2 12 „
11	27.041	20.80	85·0	10.48	86.1	.0423	.7464	18.51.4	C	3 12 „
12	26·561	20.51	84.8	10.45	85.9	.0376	.7461	18.51.9	C	4 12 „
13	27.561	20·49	84.8	10.56	85.9	.0373	.7473	18.52.5	R	5 12 „
14	27·590	20.45	84.7	10.67	85.5	.0366	.7485	18.53.0	R	6 12 „
15	27.933	20.65	85.0	10.65	85.6	.0398	.7483	18.52.5	R	7 12 „
16	27.933	20.84	85.8	10.43	86.0	.0430	.7458	18.51.2	R	8 12 „
17	26.904	21.14	86.6	10.15	86.6	.0479	.7428	18.49.4	B	9 12 „
18	25·669	21.37	87.4	9.94	87.2	.0517	.7404	18.47.8	B	10 12 „
19	25.149	21·70	88.0	10.08	87.6	.0571	·7420	18.48.9	B	11 12 „
20	24.570	21.77	88.6	10.16	88.1	.0583	.7429	18·48.1	B	Noon.
21	25.294	21.76	89·4	10.45	88.9	·0581	.7461	18.49·3	C	1 12 p. m.
22	26·355	21.56	89.5	10.59	89.5	.0548	.7476	18.50.3	C	2 12 „
23	27.041	21.38	89.9	10.52	90.0	.0518	.7468	18·50.3	C	3 12 „

On the 16th, at about 19h., Dip as obtained by Observation was 19°10·6.
On the 17th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 19TH TO 21ST MAY 1861.

DATE. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1861.
h.										h. m.
MAY 19TH-Noon.	26'080	21.00	90°5	10.08	91°0	8.0456	2.7420	18°49'3	R	4 12 p. m.
1	26.149	20.75	90.0	9.92	90.5	.0415	.7402	18.49.0	R	5 12 ,,
2	26.355	20.74	89.2	10.09	89.8	.0414	.7421	18.50.0	R	6 12 ,,
3	26.355	20.41	88.3	10.07	89.0	.0360	.7419	18.50.5	R	7 12 ,,
4	26.218	20.47	87.9	10.05	88.2	.0370	.7417	18.50.4	R	8 12 ,,
5	25.737	20.52	87.5	10.73	87.8	.0377	.7491	18.53.1	B	9 12 ,,
6	26.218	20.50	87.1	10.88	87.5	.0374	.7508	18.53.9	B	10 12 ,,
7	26.355	20.54	86.8	10.94	87.2	.0381	.7514	18.54.0	B	11 12 ,,
8	26.286	20.61	86.6	10.96	86.9	.0392	.7517	18 54.0	B	Midnight.
9	26.218	20.59	86.2	11.02	86.8	.0389	.7523	18.54.2	C	1 12 a. m.
10	26.423	20.68	86.0	11.05	86.7	.0403	.7527	18.54.3	C	2 12 ,,
11	26.355	20.69	85.9	11.06	86.6	.0405	.7528	18.54.2	C	3 12 ,,
12	26.914	20.63	86.0	11.05	86.3	.0395	.7527	18.54.3	C	4 12 ,,
13	27.452	20.58	86.0	11.08	86.0	.0387	.7530	18.54.5	R	5 12 ,,
14	28.962	20.55	85.8	11.18	76·0	.0382	.7541	18.55.1	R	6 12 ,,
15	29.305	20.75	86.0	11.08	86.0	.0415	.7530	18.54.1	R	7 12 ,,
16	28.756	21.09	86.5	10.68	86.1	.0471	.7486	18.51.7	R	8 12 ,,
17	27.933	21.35	87.2	10.46	86.9	.0513	.7462	18.50.2	B	9 12 ,,
18	25.600	21.52	88.2	10.45	87.6	.0541	.7461	18.49.8	B	10 12 ,,
19	24.846	21.67	89.2	10.61	88.5	.0566	.7478	18.50.1	B	11 12 ,,
20	24.570	21.59	89.9	10.62	89.1	.0553	.7479	18.50.3	B	Noon.
21	25.326	21.44	90.4	10.72	89.9	.0529	.7490	18.51.1	C	1 12 p. m.
22	25.875	21.27	90.6	10.75	90.1	.0501	.7494	18.51.6	C	2 12 ,,
23	26.286	21.08	90.6	10.77	90.5	.0469	.7496	18.52.1	C	3 12 ,,
MAY 20TH-Noon.	26.629	20.90	90.3	10.78	90.4	.0439	.7497	18.52.6	C	4 12 ,,
1	26.766	20.79	89.9	10.60	90.0	.0422	.7477	18.52.0	R	5 12 ,,
2	26.835	20 64	89.1	10.64	89.5	.0397	.7481	18.52.4	R	6 12 ,,
3	26.149	20.48	88.5	10.54	89.0	.0371	.7470	18.52.4	R	7 12 ,,
4	25.532	20.39	88.0	10.56	88.6	.0373	.7473	18.52.5	R	8 12 ,,
5	25.600	20.46	87.8	10.65	88.2	.0368	.7483	18.52.9	B	9 12 ,,
6	26.149	20.53	87.5	10.69	88.0	.0379	.7487	18.53.0	B	10 12 ,,
7	26.149	20.66	87.3	10.75	87.8	.0400	.7494	18.52.9	B	11 12 ,,
8	26.423	20.53	87.1	10.78	87.6	.0379	.7497	18.53.4	B	Midnight.
9	26.355	20.54	87.0	10.78	87.6	.0381	.7497	18.53.4	C	1 12 a. m.
10	26.286	20.69	86.8	10.77	87.4	.0405	.7496	18.52.9	C	2 12 ,,
11	26.423	20.57	86.6	10.75	87.1	.0386	.7494	18.53.0	C	3 12 ,,
12	26.561	20.60	86.4	10.81	87.0	.0390	.7500	18.53.3	C	4 12 ,,
13	27.247	20 58	86.3	10.91	87.0	.0387	.7511	18.53.7	R	5 12 ,,
14	28.962	20.50	86.1	11.00	86.5	.0374	.7521	18.54.4	R	6 12 ,,
15	29.305	20.91	86.5	10.90	86.7	.0441	.7510	18.53.1	R	7 12 ,,
16	28.550	21.24	87.0	10.61	87.0	.0496	.7478	18.51.0	R	8 12 ,,
17	26.972	21.61	87.9	10.33	87.6	.0556	.7447	18.49.1	B	9 12 ,,
18	25.394	21.99	88.6	10.30	88.2	.0618	.7444	18.48.1	B	10 12 ,,
19	24.502	22.06	89.5	10.25	89.0	.0630	.7439	18.47.8	B	11 12 ,,
20	23.953	21.96	90.1	10.29	89.5	.0613	.7443	18.48.3	B	Noon.
21	24.432	21.71	90.5	10.36	89.9	.0573	.7450	18.49.1	C	1 12 p. m.
22	26.080	21.52	90.8	10.51	90.3	.0541	.7467	18.50.1	C	2 12 ,,
23	26.561	21.29	90.9	10.44	90.7	.0504	.7459	18.50.3	C	3 12 ,,
MAY 21ST-Noon.	26.904	21.09	90.8	10.46	90.8	.0471	.7462	18.50.7	C	4 12 ,,
1	26.629	21.00	90.4	10.32	90.5	.0456	.7446	18.50.3	R	5 12 ,,
2	26.286	20.94	89.7	10.30	90.1	.0446	.7444	18.50.3	R	6 12 ,,
3	25.600	20.67	89.0	10.19	89.5	.0402	.7432	18.50.5	R	7 12 ,,
4	25.532	20.58	88.5	10.27	89.0	.0387	.7441	18.51.0	R	8 12 ,,
5	26.149	20.61	88.1	10.36	88.6	.0392	.7451	18.51.4	B	9 12 ,,
6	26.286	20.60	87.8	10.40	88.4	.0390	.7455	18.51.6	B	10 12 ,,
7	26.561	20.55	87.5	10.48	88.0	.0382	.7464	18.52.0	B	11 12 ,,
8	26.286	20.41	87.2	10.51	87.8	.0360	.7467	18.52.4	B	Midnight.
9	26.904	20.36	87.0	10.48	87.5	.0351	.7464	18.52.3	C	1 12 a. m.
10	26.904	20.35	86.8	10.52	87.2	.0349	.7468	18.52.5	C	2 12 ,,
11	26.972	20.32	86.5	10.53	87.6	.0344	7469	18.52.7	C	3 12 ,,

On the 20th, at about 19h., Dip as obtained by Observation was 19°01'9.

DAILY OBSERVATIONS, FROM 21ST TO 24TH MAY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
May 21st—12	27·041	20.36	86°2	10.57	86°9	8.0351	2.7474	18°52′7	C	4 12 a. m.
13	27.247	20.51	86.0	10.71	87·0	.0376	.7489	18.53.0	R	5 12 „
14	28.276	20.59	86·0	10.70	86.6	.0389	.7488	18.52·8	R	6 12 „
15	28.962	21.00	86.5	10.55	86.8	.0456	.7472	18.51·2	R	7 12 „
16	28.138	21.36	87.0	10.41	87.0	.0515	.7456	18·49.9	R	8 12 „
17	27.247	21.50	87.8	10·13	87·6	.0538	.7425	18.48.5	B	9 12 „
18	25.463	21.62	88.7	10.00	88.2	.0557	.7411	18·47.6	B	10 12 „
19	24.021	21·80	89.5	9.99	88.9	.0587	.7410	18.47.2	B	11 12 „
20	23.540	21·73	90.1	10.17	89.5	.0576	.7430	18.48.2	B	Noon.
21	26.953	21.52	90·1	10.33	89.8	.0541	.7447	18.49.4	C	1 12 p. m.
22	24.639	21.50	91.0	10.43	90.3	.0538	.7458	18.49.8	C	2 12 „
23	25·257	21.33	91.0	10.53	90.9	.0510	.7469	18.50.5	C	3 12 „
May 22nd-Noon.	26.149	21.10	90.5	10.38	90.3	.0472	.7453	18.50.5	C	4 12 „
1	26.149	20.92	90.1	10.17	90.5	·0442	.7430	18.50.0	R	5 12 „
2	26.012	20.82	89.6	10·20	90.0	·0426	.7433	18.50.2	R	6 12 „
3	25.600	20·64	89.0	10.19	89.6	.0397	.7432	18.50.5	R	7 12 „
4	25.532	20.58	88·5	10.17	89·0	.0387	.7430	18.50.6	R	8 12 „
5	25.600	20.61	88.0	10.26	88.5	.0392	.7440	18.51.0	B	9 12 „
6	25.600	20.66	88.0	10.36	88.5	.0400	.7451	18.51.3	B	10 12 „
7	25.806	20.59	87.7	10·43	88.4	.0389	·7458	18.51·7	B	11 12 „
8	26.080	20.55	87.4	10.49	88.1	.0382	.7465	18·52.1	B	Midnight.
9	26.012	20·58	87.1	10.51	87.8	.0387	.7467	18.52.0	C	1 12 a. m.
10	26.218	20·58	87.0	10.55	87.6	·0387	.7472	18.52.1	C	2 12 „
11	26.698	20.63	86.8	10·52	87.3	.0395	.7468	18.51.9	C	3 12 „
12	26·286	20.60	86.6	10.61	87.1	.0390	.7478	18.52.4	C	4 12 „
13	27.247	20,62	86.5	10.71	87.0	.0393	.7489	18.52.8	R	5 12 „
14	28.276	20.75	86.4	10.86	87.0	.0415	.7506	18.53.1	R	6 12 „
15	29.167	20.94	86.6	10·71	87.0	.0446	.7489	18.53.0	R	7 12 „
16	28·276	21·33	87.1	10.31	87.1	·0510	.7445	18·49·7	R	8 12 „
17	26.904	21.94	88.0	9.83	87·7	.0610	.7392	18.46.2	B	9 12 „
18	25.120	21.92	89.0	9.90	88·3	.0606	.7400	18.46.6	B	10 12 „
19	23.130	21.77	89.6	9.87	89·0	.0583	·7397	18.46·9	B	11 12 „
20	22.649	21.65	90.2	10·04	89.6	.0562	.7415	18.46.8	B	Noon.
21	23.335	21.18	90.6	10.28	90.1	.0485	.7442	18.49.7	C	1 12 p. m.
22	24.707	20.78	91.0	10.47	90.5	.0420	.7463	18.51.4	C	2 12 „
23	25.395	20.30	91.0	10·55	90.9	.0341	.7472	18.52.8	C	3 12 „
May 24th-Noon.	26.218	20.76	91.2	10.06	92.0	·0417	.7418	18.49.7	R	4 12 „
1	27.178	20.64	90.6	9.95	91.5	.0397	.7406	18·49.5	R	5 12 „
2	26.561	20.70	90.0	9·83	91.0	.0407	.7392	18.48 8	R	6 12 „
3	25.875	20.69	89.4	9.71	90.4	.0405	.7379	18.48.3	R	7 12 „
4	25.463	20.67	89.0	9.78	90.0	.0402	.7387	18.48.8	R	8 12 „
5	25.326	20.70	88·5	9.79	89.5	·0407	.7388	18.48.7	B	9 12 „
6	25.943	20.68	88.2	9.89	89.1	.0403	.7399	18.49.2	B	10 12 „
7	25·875	20.76	88.1	10.02	89.0	.0417	.7413	18.49.5	B	11 12 „
8	26.835	20.85	88.0	10.08	88.8	.0431	.7420	18.49.7	B	Midnight.
9	26.904	20.72	87.8	10.06	88.8	.0410	.7418	18.49.9	C	1 12 a. m.
10	27.041	20.58	87.5	10·08	88.5	.0387	.7420	18.50.2	C	2 12 „
11	26.698	20.73	87.4	10.04	88.0	.0412	·7415	18.49.8	R	3 12 „
12	26.904	20.81	87.3	10·14	88.0	.0425	.7426	18.49.9	R	4 12 „
13	27.109	20.89	87.2	10.24	88.0	.0438	.7437	18.50.3	B	5 12 „
14	28.481	20.98	87.0	10.43	87.7	.0452	.7458	18.50.9	B	6 12 „
15	29.510	21.05	87.3	10.43	87.9	.0464	.7458	18.50·8	C	7 12 „
16	29.167	21.40	87.5	9.96	88.0	.0522	.7407	18.48.0	C	8 12 „
17	27.933	21.86	88.0	9.46	88.0	.0597	.7352	18.44.8	R	9 12 „
18	25.943	22.24	89.0	9·17	88.9	.0660	.7320	18.42.8	R	10 12 „
19	23·473	22.41	90 0	8.98	89.4	.0688	.7299	18.41.5	B	11 12 „
20	21.758	22.32	90.4	9.15	89.9	.0672	.7318	18.42.6	B	Noon.
21	21.895	22.00	90.9	9·56	90.4	.0620	.7363	18.44.9	C	1 12 p. m.
22	23.198	21·68	91.1	9.80	90.9	.0567	.7389	18.46.6	C	2 12 „
23	24.432	21·44	91.2	9.83	91.0	.0529	.7392	18.47.2	R	3 12 „

On the 21th, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 26TH TO 28TH MAY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
May 26th-Noon.	25·600	21.18	91°0	9.75	91°5	8.0485	2.7384	18°47′4	R	4 12 p. m.
1	25.737	21.00	90.5	9.83	91.0	.0456	.7392	18.48.1	R	5 12 ,,
2	25.875	20·86	89.9	9.72	90.5	.0433	.7380	18.48.1	R	6 12 ,,
3	25·120	20.73	89.0	9.62	90.0	.0412	·7367	18.47.9	R	7 12 ,,
4	25·669	20.82	88.7	9.65	89.5	.0426	.7373	18.47.8	R	8 12 ,,
5	25.600	20.92	88.6	9.77	89.1	.0442	.7386	18.48.2	B	9 12 ,,
6	25.806	20.83	88.0	9.88	88.7	.0428	.7398	18.48.8	B	10 12 ,,
7	26.286	20.80	87.5	9.95	88.3	.0423	.7406	18.49.2	B	11 12 ,,
8	26,561	20.76	87.2	9.94	87.9	.0417	.7404	18.49.1	B	Midnight.
9	27.109	20.78	87.0	9.89	87.8	.0420	.7399	18·48·9	C	1 12 a. m.
10	26.561	20.89	86.9	9.83	87.6	.0438	.7392	18.48.4	C	2 12 ,,
11	26.355	20.89	86.9	9.84	87·2	.0438	.7393	18.48.5	C	3 12 ,,
12	26.423	20.83	86.6	9.91	87.0	.0428	.7401	18.48·9	C	4 12 ,,
13	26.766	20·80	86.4	10.01	87.0	·0423	.7412	18.49.4	R	5 12 ,,
14	28.138	20.78	86.0	10.14	86.8	.0421	.7426	18.50.0	R	6 12 ,,
15	28·824	20.94	86.6	10.11	87.0	.0446	.7423	18.49.5	R	7 12 ,,
16	28·481	21.24	87·0	9.81	87.0	.0496	.7390	18.47.6	R	8 12 ,,
17	27.109	21.65	87.6	9.43	87·5	.0562	.7348	18·45.2	B	9 12 ,,
18	25.806	21.97	88.2	9.24	88.0	.0615	·7327	18·43.6	B	10 12 ,,
19	24.159	22.21	89.0	9.01	88.7	.0655	.7302	18.42.0	B	11 12 ,,
20	23.198	22·40	89.6	9.02	89.1	.0686	.7303	18.41.7	B	Noon.
21	22.374	21.90	90.4	9·15	90.0	.0603	.7318	18.43.5	C	1 12 p. m.
22	23.267	21·02	91.0	9.27	90.6	.0541	.7333	18.44.9	C	2 12 ,,
23	23.816	20.94	91.2	9.57	91.0	.0446	.7364	18.46.1	C	3 12 ,,
May 27th-Noon.	25.394	20.76	91.0	9.60	91·0	.0417	.7367	18.47.7	C	4 12 ,,
1	25.600	20.47	90.6	9·63	91·0	·0370	.7370	18 48.5	R	5 12 ,,
2	26.286	20.65	90.0	9.52	90.6	.0398	.7358	18.47.7	R	6 12 ,,
3	25.600	20.47	89.3	9.44	90·0	.0370	.7349	18.47.7	R	7 12 ,,
4	25.600	20.45	88.8	9.44	89.7	.0366	.7349	18.47.7	R	8 12 ,,
5	26.286	20.42	88.4	9.63	89.2	.0361	.7370	18.48.6	B	9 12 ,,
6	26.080	20.48	88.1	9.65	89.0	.0371	.7373	18.48.6	B	10 12 ,,
7	26·286	20.65	87.8	9·74	88.6	.0398	.7382	18.48.5	B	11 12 ,,
8	26.080	20·59	87.5	9.74	88·5	.0389	.7382	18·48.6	B	Midnight.
9	26.286	20.72	87.5	9.74	88·1	.0410	.7382	18.48.4	C	1 12 a. m.
10	26·218	20·65	87.1	9.74	87.9	.0398	·7382	18.48.5	C	2 12 ,,
11	26.561	20.70	87.0	9.78	87.9	.0407	.7387	18.48.7	C	3 12 ,,
12	26.423	20.79	87.0	9.85	87.8	.0422	.7395	18.48.8	C	4 12 ,,
13	26.561	20.77	86.8	9.93	87.5	.0419	.7403	18.49.1	R	5 12 ,,
14	27.384	20.86	86.7	10.22	87.4	.0433	.7435	18.50.3	R	6 12 ,,
15	27.933	20.95	87.2	10.23	87.5	.0447	.7436	18·50.0	R	7 12 ,,
16	27.727	21.22	87.6	10.03	87.6	.0492	·7414	18.48.6	R	8 12 ,,
17	26.423	21.50	88.0	9·76	88.1	.0538	.7385	18.46.9	B	9 12 ,,
18	24.432	21·66	88.7	9.51	88.5	.0564	.7357	18.45.6	B	10 12 ,,
19	22.649	21.52	89.5	9.33	89·2	.0541	.7337	18.45.1	B	11 12 ,,
20	21.875	21.42	90.2	9.49	89.6	.0525	.7355	18.45.9	B	Noon.
21	22.854	21.33	90.8	9.66	90.2	.0510	.7374	18.46.8	C	1 12 p. m.
22	23.267	21.28	91.0	9·63	90.9	.0502	.7370	18.46.8	C	2 12 ,,
23	24.226	21.04	91·1	9·68	91.1	.0463	.7376	18.47.5	C	3 12 ,,
May 28th-Noon.	25.159	20.93	91.1	9.71	91.3	.0444	.7379	18.47.9	C	4 12 ,,
1	25.806	20.84	90.8	9.64	91.2	.0430	.7371	18.47.7	R	5 12 ,,
2	26.561	20.72	90.0	9.65	91.0	.0410	.7373	18.48.1	R	6 12 ,,
3	26.080	20·54	89·5	9.62	90.5	·0381	.7369	18.48.3	R	7 12 ,,
4	26.149	20.66	89.0	9.70	90.0	.0400	.7378	18.48.4	R	8 12 ,,
5	26.149	20.70	88.6	9.74	89.6	.0407	.7382	18.48.4	B	9 12 ,,
6	26.149	20·76	88.5	9.77	89.5	.0417	.7386	18.48.4	B	10 12 ,,
7	25.943	20.75	88.1	9.82	89.1	.0415	.7391	18.48.6	B	11 12 ,,
8	25.875	20.78	88.0	9.89	88.9	.0420	.7399	18.48.9	B	Midnight.
9	26.355	20·84	87.8	9.94	88.7	·0430	.7404	18.49.0	C	1 12 a. m.
10	26·561	20.85	87.6	9.91	88.3	.0431	.7401	18.48.9	C	2 12 ,,
11	26.561	20.92	87.5	9.94	88.1	.0442	.7404	18.48.9	C	3 12 ,,

On the 27th, at about 19h., Dip as obtained by Observation was 19°02′5.

DAILY OBSERVATIONS, FROM 28TH TO 30TH MAY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
May 28th—12	26·698	20.96	87·4	10.02	87·9	8.0449	2.7413	18°49'1	C	4 12 a. m.
13	27.247	20.92	87.2	10.14	88.0	.0442	.7426	18.49.8	R	5 12 „
14	28.276	21.02	87.2	10.28	88.0	.0459	.7442	18.50.1	R	6 12 „
15	29.510	21·04	87.5	10.24	88.0	.0463	.7437	18.50.0	R	7 12 „
16	29·648	21.35.	88.0	10.15	88.2	.0513	.7428	18·49.0	R	8 12 „
17	28·413	21.54	88.5	9.80	88.3	.0545	.7389	18.46.8	B	9 12 „
18	26.218	21.65	89.2	9.51	88.8	.0562	.7357	18.45.6	B	10 12 „
19	24.226	21.73	90·3	9.54	89.5	.0576	.7360	18.45.4	B	11 12 „
20	23.677	21.69	91.2	9.66	90.4	.0569	.7373	18.46.0	B	Noon.
21	23.884	21.65	91.6	9.78	91.0	.0562	.7387	18·46.7	C	1 12 p. m.
22	23.953	21.59	91.9	9.79	91.4	.0553	·7388	18.46.8	C	2 12 „
23	24.639	21.28	92.0	9.81	91.9	.0502	.7390	18.47.6	C	3 12 „
May 29th-Noon.	25.600	21.13	92.0	9.81	92.1	.0477	.7390	18.47.9	C	4 12 „
1	26.286	20.89	91.0	9.85	91.5	.0438	.7395	18.48.6	R	5 12 „
2	26.286	20.81	90.0	9.73	91.0	.0425	.7381	18.48.1	R	6 12 „
3	25.806	20.75	89.6	9.68	90.5	.0415	.7376	18.48.0	R	7 12 „
4	25.669	20.79	89.4	9.71	90.4	.0422	.7379	18.48.1	R	8 12 „
5	25.943	20.75	89.0	9.80	90.0	.0415	.7389	18.48.5	B	9 12 „
6	26.080	20.83	89.0	9.89	89.7	.0428	.7399	18.48.8	B	10 12 „
7	26.012	20.90	88.6	9.99	89.5	.0439	.7410	18.49.2	B	11 12 „
8	26.286	20.96	88.5	10.04	89.5	.0449	.7415	18·49.2	B	Midnight.
9	26.355	20.96	88.1	10.03	89.2	.0449	.7414	18.49.1	C	1 12 a.m.
10	26.355	20.95	88.0	9.97	89.1	.0447	.7408	18.48.9	C	2 12 „
11	26.012	20.96	88.0	10.05	88.9	.0449	.7417	18.49.2	C	3 12 „
12	26.012	20.97	87.9	10.10	88.8	.0451	.7422	18.49.4	C	4 12 „
13	26.218	20.93	87.5	10.25	88.2	.0444	.7439	18.50.3	R	5 12 „
14	27.247	20.94	87.7	10.44	88.0	.0446	.7459	18.50.9	R	6 12 „
15	28.344	20.97	88.0	10.40	88.0	.0451	.7455	18.50.8	R	7 12 „
16	29.030	21.08	88.2	10.30	88.4	.0469	.7444	18.50.1	R	8 12 „
17	27.933	21.48	89.0	9.96	88.6	.0535	.7407	18.47.8	B	9 12 „
18	26.286	21.68	89.7	9.62	89.1	.0567	.7368	18.45.8	B	10 12 „
19	24.707	21.87	90·6	9.44	89.7	.0599	.7349	18.44.7	B	11 12 „
20	23.335	21.95	91.6	9.47	90.6	.0611	.7353	18.44.8	B	Noon.
21	23.335	21.88	92.0	9.77	91.2	.0600	.7386	18.46.1	C	1 12 p. m.
22	24.226	21.63	92.4	9.96	91.9	.0559	.7407	18.47.5	C	2 12 „
23	25.120	21.36	92.5	10.01	92.1	.0515	.7412	18.48.1	C	3 12 „
May 30th-Noon.	25.600	21.24	92.4	10.00	92.3	.0496	.7411	18.48.8	C	4 12 „
1	26.080	21.10	91.7	9.86	92.0	.0472	.7396	18.48.2	R	5 12 „
2	26.080	21.05	91.0	9.83	91.5	.0464	.7392	18.48.1	R	6 12 „
3	25.875	20.94	90.5	9.73	91.0	.0446	.7381	18.47.8	R	7 12 „
4	25.669	20.87	90.0	9.82	90.7	.0435	.7391	18.48.4	R	8 12 „
5	25.875	20.90	89.7	9.90	90.5	.0439	.7400	18.48.8	B	9 12 „
6	26.149	20.90	89.4	9.95	90.1	.0439	.7406	18.49.0	B	10 12 „
7	26.218	20.87	89.2	10.02	90.0	.0435	.7413	18.49.3	B	11 12 „
8	26.149	20.86	89.1	10.04	89.7	.0433	.7415	18.49.5	B	Midnight.
9	26.218	20.80	88.9	10.04	89.6	.0423	.7415	18.49.6	C	1 12 a. m.
10	26.218	20.83	88.5	10.07	89.1	.0428	.7419	18.49.6	C	2 12 „
11	26.218	20.79	88.2	10.07	89.0	.0419	.7419	18.49.7	C	3 12 „
12	26.218	20.89	87.7	10.07	88.9	.0438	.7419	18.49.5	C	4 12 „
13	26.766	20.95	87.5	10.24	88.0	.0447	.7437	18.50.1	R	5 12 „
14	28.276	20.81	87.0	10.41	87.1	.0425	.7456	18·51.1	R	6 12 „
15	28.824	20.88	87.0	10.38	87.1	.0436	.7453	18.50.9	R	7 12 „
16	28.619	21.26	87.0	10.21	87.0	.0499	.7434	18·49·3	R	8 12 „
17	28.276	21.69	87.5	10.05	87.5	.0569	.7417	18.47.8	B	9 12 „
18	26.492	21.77	87.9	9.73	87.6	.0583	.7381	18.46.2	B	10 12 „
19	24.983	21.88	88.5	9.60	88.2	.0600	.7367	18.45.4	B	11 12 „
20	23.540	21.78	89.0	9.76	88.5	.0584	.7385	18.46.4	B	Noon.
21	23.816	21.67	89.0	9.98	88.7	.0566	.7409	18.47.4	C	1 12 p. m.
22	24.295	21.51	89.4	10.02	89.1	.0540	.7413	18.48.0	C	2 12 „
23	25.257	21.38	89.7	9.99	89.6	.0518	.7410	18.48.1	C	3 12 „

On the 30th, at about 19h., Dip as obtained by Observation was 18°55'.6

DAILY OBSERVATIONS, FROM 31ST MAY TO 3RD JUNE 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
MAY 31ST—Noon.	25·669	21.26	89°9	9.94	89°9	8.0499	2.7404	18°48·1	C	4 12 p.m.
1	25.600	21.09	89.3	9.77	89.9	.0471	.7386	18.47.8	R	5 12 ,,
2	25.326	21.04	88.7	9.87	89.0	.0463	.7397	18.48.4	R	6 12 ,,
3	25.532	20.86	88.0	9.85	88·5	.0433	.7395	18.48.7	R	7 12 ,,
4	26·012	20.89	87.7	9.89	88·0	.0438	.7399	18.48.7	R	8 12 ,,
5	26.080	20.77	87.3	9.88	87.8	.0419	.7398	18.48.9	B	9 12 ,,
6	25.875	20.83	87.1	9.98	87.6	.0428	.7409	18.49.2	B	10 12 ,,
7	25.737	20.93	87.0	10.01	87.5	.0444	·7412	18.49.2	B	11 12 ,,
8	25.875	20.93	86.8	10.07	87.2	.0444	.7419	18.49.5	B	Midnight.
9	26.012	20.86	86.3	10.11	86.9	.0433	.7423	18.49.8	C	1 12 a. m.
10	26·080	20.90	86.2	10.10	86.5	.0439	.7422	18.49.6	C	2 12 ,,
11	25.669	20·98	86.0	10.12	86.3	.0452	.7424	18.49.5	C	3 12 ,,
12	25.943	20.93	85.8	10.16	86.1	.0444	·7429	18.49.9	C	4 12 ,,
13	25.875	21.01	85.6	10.27	86.0	.0458	.7441	18.50.1	R	5 12 ,,
14	27.041	20·94	85.5	10.38	86.0	.0446	.7453	18.50.7	R	6 12 ,,
15	28.138	21.09	85.5	10.38	86.0	.0471	.7453	18.50.5	R	7 12 ,,
16	28.070	21.38	85.7	10.34	86.0	.0518	.7448	18.49.6	B	8 12 ,,
17	26.972	21.77	86.5	10.00	86.5	.0583	.7411	18.47.4	B	9 12 ,,
18	25.737	22.10	87.2	9.76	87.0	.0636	.7385	18 45.6	B	10 12 ,,
19	24.630	22.26	88.0	9.68	87.5	.0663	.7376	18.44.9	B	11 12 ,,
20	23.677	22.27	88.5	9.52	88.1	.0665	.7358	18.44.2	B	Noon.
21	24.159	22.12	89.0	9.71	88.7	.0639	.7379	18.45.3	C	1 12 p. m.
22	24.846	21.81	89.4	9.72	89.0	.0589	.7380	18.47.0	C	2 12 ,,
23	25.875	21.51	89.1	9.75	89·0	.0540	.7384	18.46.8	C	3 12 ,,
JUNE 2ND—Noon.	26.355	21.07	83.7	9.94	84.7	.0468	.7404	18.48.5	C	4 12 ,,
1	26.561	20.76	82.0	9.92	84.2	.0417	.7402	18.49.0	C	5 12 ,,
2	26·012	20.59	81.0	9.81	82·9	.0389	.7390	18.49.0	C	6 12 ,,
3	25.394	20.66	80.8	9.78	82.5	.0400	.7387	18·48.8	C	7 12 ,,
4	25.257	20.64	79.4	9.90	81.7	.0397	.7400	18.49·3	C	8 12 ,,
5	25.463	20.42	79.0	9·93	81.0	.0361	.7403	18.49.9	R	9 12 ,,
6	25.189	20.62	79.0	9.98	81.0	.0393	.7409	18.49.7	R	10 12 ,,
7	25.532	20.81	79.5	10.03	80.9	.0421	.7414	18.49.4	R	11 12 ,,
8	25.532	20.82	79.0	10.03	81.0	.0426	.7414	18.49.4	R	Midnight.
9	25.532	20.92	79.0	10.06	80.4	.0442	.7418	18.49.5	B	1 12 a. m.
10	25.600	20.59	78.2	10.21	80.2	.0389	.7434	18.50.7	B	2 12 ,,
11	25.806	20.53	78.2	10.21	80.2	.0379	.7434	18.50.9	B	3 12 ,,
12	25.943	20.74	78.7	10.17	80.3	.0411	.7430	18.50.4	B	4 12 ,,
13	26.218	20.57	78.3	10.25	80.0	.0386	.7439	18.50.9	C	5 12 ,,
14	27.452	20·74	78.5	10.32	80.1	.0414	.7446	18.51.0	C	6 12 ,,
15	27·590	20.70	78.7	10.18	80.1	.0407	.7431	18.50·4	C	7 12 ,,
16	27.247	21.01	78.9	10.01	80.2	.0458	.7412	18.48.9	C	8 12 ,,
17	26.218	21.68	79.6	9.60	80.1	.0567	.7369	18.45.8	R	9 12 ,,
18	24.639	21.96	80.6	9·42	80.7	.0613	.7347	18.44.6	R	10 12 ,,
19	22.787	22.02	81.5	9.23	81.0	·0623	.7326	18.40.5	R	11 12 ,,
20	21.071	22.25	82·6	9.35	81.8	·0661	.7340	18.43.6	R	Noon.
21	21.561	22·16	83·2	9.57	82·2	.0646	.7364	18.44.5	B	1 12 p. m.
22	22.168	21.78	83.7	9.84	83.0	.0584	.7393	18.46.7	B	2 12 ,,
23	23.267	21.51	83.7	9.95	83.4	.0540	.7406	18.47.7	B	3 12 ,,
JUNE 3RD—Noon.	25.257	21.23	83.2	10.14	83.0	.0494	.7426	18.49.1	B	4 12 ,,
1	26.012	21.03	82.1	9.98	82.1	.0461	.7409	18.48.8	C	5 12 ,,
2	25.806	20.97	81.9	9.80	82·0	.0451	.7389	18.48.1	C	6 12 ,,
3	25.326	20.86	81.7	9.75	81.8	.0433	.7388	18.48.2	C	7 12 ,,
4	25.051	20·80	81.4	9.75	81.7	.0423	.7384	18.48.3	C	8 12 ,,
5	25.600	20.81	81.7	9.76	82.0	.0425	.7385	18.48.3	R	9 12 ,,
6	26.080	20.79	82.0	9.76	82.0	.0422	.7385	18.48.4	R	10 12 ,,
7	26.080	20.78	82.2	9.76	82.1	.0420	.7385	18.48.4	R	11 12 ,,
8	26.218	20.73	82.4	9.77	82.4	.0412	.7386	18.48.6	R	Midnight.
9	26.080	20.75	82.5	9.76	82.5	.0415	.7385	18.48.4	B	1 12 a. m.
10	26.080	20.68	82.8	9.76	82·7	.0403	.7385	18.48.7	B	2 12 ,,
11	26.355	20.72	82.8	9.61	82.9	.0410	.7367	18.47.9	B	3 12 ,,

On the 31st, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 3RD TO 5TH JUNE 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date, Bombay Civil Time. 1861.
h.										h. m.
JUNE 3RD—12	26·149	20.70	82°8	9.59	82°9	8.0407	2.7366	18°47'8	B	4 12 a. m.
13	26.835	20.86	82·9	9.74	82.9	.0413	.7382	18.48.4	C	5 12 „
14	28.413	21.02	82·9	9.83	82·9	.0459	.7392	18.48.1	C	6 12 „
15	28.893	21.35	83.0	9.59	83·0	.0513	.7366	18.46.5	C	7 12 „
16	28.413	21.71	83.4	9.27	83.3	.0573	.7331	18.44.4	C	8 12 „
17	26.698	22.16	84.5	8.94	83.9	.0646	.7294	18.41.8	R	9 12 „
18	25.120	22.40	85·5	8.86	84.9	.0686	.7286	18.41.4	R	10 12 „
19	23·335	22.35	86.0	8.86	85.2	.0677	.7286	18.41.2	R	11 12 „
20	22.787	21.79	86.7	8.82	86·0	.0586	.7281	18.42.1	R	Noon.
21	23.131	21.42	87.0	9.20	86.6	.0525	.7323	18.44.6	B	1 12 p. m.
22	24.502	21.27	87.3	9.37	87.2	.0501	.7342	18.45.7	B	2 12 „
23	25.806	20.95	87.0	9·48	87.5	.0447	.7354	18.46.8	B	3 12 „
JUNE 4TH-Noon.	26.835	20.75	87.1	9.38	87.6	.0415	.7343	18.46.8	B	4 12 „
1	26.904	20.49	86.3	9.18	87.5	.0373	.7321	18.46.6	C	5 12 „
2	26.218	20.58	86.0	8.86	87.1	.0387	.7286	18.44.9	C	6 12 „
3	25.600	20.44	85.8	8.93	86.8	.0365	.7299	18.45.8	C	7 12 „
4	25.600	20.10	85.3	8.99	86.4	.0308	.7300	18.46.6	C	8 12 „
5	25.326	19.97	84.0	8.96	85.2	.0287	.7297	18.46.7	R	9 12 „
6	25.394	20.39	83.7	9.05	85.0	.0356	.7307	18.46.2	R	10 12 „
7	25.875	20.31	84.1	9.15	85.0	.0343	.7318	18.46.9	R	11 12 „
8	26.561	20.39	84.4	9.15	85.0	.0356	.7318	18.46.6	R	Midnight.
9	26.492	20.33	84.3	9.23	84·9	.0346	.7326	18.47.0	B	1 12 a. m.
10	26·423	20.27	84.1	9.26	84.7	.0337	.7330	18.47.4	B	2 12 „
11	26.149	20.29	84.1	9.26	84.6	.0340	.7330	18.47.4	B	3 12 „
12	26.149	20.35	84.0	9.28	84.4	.0349	.7332	18.47.2	B	4 12 „
13	27.109	20.25	83.6	9.59	84.3	.0333	.7366	18.48.8	C	5 12 „
14	28.344	20.37	83.9	9.62	84.1	.0353	.7369	18.48.6	C	6 12 „
15	28.687	20.61	84.1	9.35	84.3	.0392	.7340	18.47.1	C	7 12 „
16	28.207	21.09	85.0	8.91	85.0	.0471	.7291	18.44.1	C	8 12 „
17	26.149	21.29	85.5	8.75	85.0	.0504	.7274	18.43.4	R	9 12 „
18	24.226	21.53	86.2	8.68	86.0	.0543	.7266	18.42.2	R	10 12 „
19	23.130	21.61	87.0	8.59	86.4	.0556	.7256	18.41.6	R	11 12 „
20	22.923	21.57	87.4	8.71	87.0	.0550	.7269	18.42.1	R	Noon.
21	23.473	21.35	87.9	9.02	87.4	.0513	.7303	18.44.1	B	1 12 p. m.
22	24.226	21.29	88.0	9.04	88.0	.0504	.7305	18.44.3	B	2 12 „
23	24.707	20.90	88.2	9.20	88.3	.0439	.7323	18.45.8	B	3 12 „
JUNE 5TH-Noon.	25.463	20.54	88.2	9.11	88.5	.0381	.7313	18.46.2	B	4 12 „
1	25.806	20.28	87.8	9.01	88.3	.0338	.7302	18.46.2	C	5 12 „
2	25.189	19.95	87.0	8.74	88.0	.0283	.7272	18.45.8	C	6 12 „
3	25.051	19.94	85.5	8.86	86.9	.0282	.7286	18.46.4	C	7 12 „
4	25.737	20.07	85.1	8.93	86.2	.0304	.7293	18.46.4	C	8 12 „
5	25.532	20.10	85.0	8.93	86.0	.0308	.7293	18.46.3	R	9 12 „
6	25.875	20.20	85.0	9.03	86.0	.0325	.7304	18.46.4	R	10 12 „
7	26.355	20.17	85.1	9.18	86.0	.0320	.7321	18.47.2	R	11 12 „
8	26.706	20.11	84.5	9.16	85.4	.0310	.7319	18.47.3	R	Midnight.
9	26.492	20.17	84.0	9.10	85.1	.0320	.7312	18.46.8	B	1 12 a. m.
10	26.492	20.28	84.1	9.13	85.1	.0338	.7315	18.46.8	B	2 12 „
11	26.561	20.32	84.1	9.17	85.0	.0344	.7320	18.47.0	B	3 12 „
12	26.639	20.34	84.1	9.19	84.8	.0348	.7322	18.46.8	B	4 12 „
13	26.904	20.52	84.0	9.32	84.8	.0377	.7336	18.47.1	C	5 12 „
14	27.933	20.53	83.8	9.50	84.5	.0379	.7356	18.47.9	C	6 12 „
15	28.276	20.72	84.0	9.49	84.5	.0410	.7355	18.47.5	C	7 12 „
16	27.864	21.23	84.9	9.25	85.0	.0494	.7329	18.45.3	C	8 12 „
17	26.561	21.53	85.6	8.88	85.4	.0543	.7288	18.43.1	R	9 12 „
18	25.189	21.48	86.5	8.98	86.0	.0535	.7209	18.43.5	R	10 12 „
19	24.502	21.46	87.0	9.00	86.5	.0532	.7301	18.43.7	R	11 12 „
20	24.226	21.43	87·5	9.01	87.0	.0527	.7302	18.43.7	R	Noon.
21	24.432	21.33	87.9	9.08	87.5	.0510	.7310	18.44.4	R	1 12 p. m.
22	24.295	21.02	88.0	9.09	87.9	.0459	.7311	18.45.0	B	2 12 „
23	25.326	20.92	88.2	9.10	88.3	.0442	.7312	18.45.3	B	3 12 „

On the 3rd, at about 19h., Dip as obtained by Observation was 19°01'9.

DAILY OBSERVATIONS, FROM 6TH TO 9TH JUNE 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
June 6th-Noon.	24·776	20.73	88·1	9.00	88·3	8.0412	2.7301	18°45′3	B	4 12 p. m.
1	25.943	20.33	87.7	9.05	88.2	.0346	.7307	18.46.3	C	5 12 ,,
2	25.669	20.21	87.0	8.89	87.9	.0327	.7289	18.45.8	C	6 12 ,,
3	25.532	19.90	85.0	8.94	86.3	.0275	.7294	18.46.7	C	7 12 ,,
4	25.600	20.04	84.9	8.88	86.1	.0299	.7288	18.46.2	C	8 12 ,,
5	25.669	20.13	84.9	9.02	85.5	.0313	.7303	18.46.7	R	9 12 ,,
6	25.875	20.10	84.7	9.05	85.0	.0308	.7307	18.46.9	R	10 12 ,,
7	26.149	20.18	84.8	9.15	85.0	.0321	.7318	18.47.1	R	11 12 ,,
8	26.355	20.28	84.9	9.15	85.0	.0338	.7318	18.46.9	R	Midnight.
9	26.629	20.29	84,6	9.24	85.2	.0340	.7327	18.47.3	B	1 12 a. m.
10	26.835	20.29	84.5	9.20	85.1	.0340	.7320	18.47.0	B	2 12 ,,
11	26.561	20·32	84.4	9.20	85.0	.0344	.7320	18.47.0	B	3 12 ,,
12	26.423	20.35	84.4	9·20	84.9	.0349	.7320	18.46.8	B	4 12 ,,
13	26.629	20.34	84.1	9.25	84.9	.0348	.7329	18.47.1	C	5 12 ,,
14	28.001	20.49	84.1	9.54	84.8	.0373	.7360	18·48.1	C	6 12 ,,
15	28.619	20.61	84.5	9.49	84.7	.0392	.7355	18.41.7	C	7 12 ,,
16	28.619	20.95	85.0	9.20	85.0	.0447	.7323	18.45.6	C	8 12 ,,
17	27.864	21.15	85.9	8.97	85.6	.0480	.7298	18.44.3	R	9 12 ,,
18	26.080	21.55	86.5	8.68	86.0	.0546	.7266	18.42.0	R	10 12 ,,
19	24.846	21.56	87.3	8.60	86.8	.0548	.7257	18.41.8	R	11 12 ,,
20	23.609	21·48	87.7	8.55	87.0	.0535	.7252	18.41.7	R	Noon.
21	23.677	20.88	84.6	8.91	85·3	.0436	.7291	18.44.5	B	1 12 p. m.
22	24.502	20.72	84·8	8.90	85.1	.0410	.7290	18.44.9	B	2 12 ,,
23	24.846	20.45	85.5	8.95	85.6	.0366	.7296	18.45.6	B	3 12 ,,
June 7th-Noon.	25.737	20.44	86.0	9.03	86.1	.0365	.7304	18.45.9	B	4 12 ,,
1	25.875	20·37	85.4	9.03	85.9	.0353	.7304	18.46.1	C	5 12 ,,
2	25.532	20.42	85.4	8.92	85.9	.0361	.7292	18.45.5	C	6 12 ,,
3	24.846	20.43	85.2	8.97	85.6	.0363	.7298	18.45.8	C	7 12 ,,
4	25.532	20.09	83.4	9.06	84.6	.0307	.7308	18.46.9	C	8 12 ,,
5	25.737	20.17	83.7	9.14	84·5	.0320	.7316	18.47·0	R	9 12 ,,
6	25.875	20.08	83.8	9.14	84·5	.0305	.7316	18.47.2	R	10 12 ,,
7	26.218	20.25	83.9	9.09	84.5	.0333	.7311	18.46.7	R	11 12 ,,
8	26·561	20.10	83.9	9.14	84.5	.0308	.7316	18.47.2	R	Midnight.
9	26.835	20.20	83.3	9.12	84·0	·0325	.7314	18.46.8	B	1 12 a. m.
10	26.766	20·26	83.4	9.11	83.8	.0335	.7313	18.46.7	B	2 12 ,,
11	26·835	20.22	83.4	9·13	83.7	.0328	.7315	18·46.9	B	3 12 ,,
12	26.835	20.22	83.5	9.11	83.7	.0328	.7313	18.46.8	B	4 12 ,,
13	27.041	20.40	83.7	9.26	83·6	.0358	.7330	18.47.1	C	5 12 ,,
14	29.030	20.22	82.9	9.41	83.1	.0328	.7346	18.48.1	C	6 12 ,,
15	29.236	20.41	81.0	9.27	83.1	.0360	.7331	18.47.1	C	7 12 ,,
16	28·070	20.91	83.5	8.80	83.4	.0441	.7279	18·44.4	C	8 12 ,,
17	26.492	21.06	84.2	8.52	84.0	.0466	.7248	18.42.5	R	9 12 ,,
18	24.570	21.31	84.2	8.62	84.0	.0507	.7259	18.42.4	R	10 12 ,,
19	23.198	21.57	85.5	8.55	84.9	.0550	.7252	18.41·5	R	11 12 ,,
20	22.444	21.63	86.3	8.67	85.5	.0559	.7265	18.41.9	R	Noon.
21	22.923	21.22	86.5	8.93	86.0	.0492	.7293	18·43·9	B	1 12 p. m.
22	23·609	21.04	86.5	8.93	86.1	.0463	.7293	18.44.3	B	2 12 ,,
23	24.021	20.58	86.5	8.99	86.2	.0387	.7300	18.45.5	B	3 12 ,,
June 9th-Noon.	24.983	20.61	87.4	8.56	88.1	.0392	.7253	18.43.7	C	4 12 ,,
1	25.806	20.42	87.2	8.62	88.3	.0361	.7259	18.44.3	C	5 12 ,,
2	26.149	20.18	86.9	8.59	88.0	.0321	.7256	18.44.7	C	6 12 ,,
3	26.080	19.98	86.0	8.63	87.7	.0288	.7260	18.45·2	C	7 12 ,,
4	25.737	20.08	85.7	8.54	87.2	.0305	.7250	18.44.7	C	8 12 ,,
5	25.943	20.10	85.5	8.60	86.5	.0308	.7257	18.45.0	R	9 12 ,,
6	25.669	20·04	85.3	8.59	86.3	.0299	.7256	18.45.0	R	10 12 ,,
7	26.561	20.05	85.0	8.83	86.0	.0300	.7282	18·45.9	R	11 12 ,,
8	26.904	20.09	85.0	8.78	86.0	.0307	·7276	18.45.6	R	Midnight.
9	26.766	20·15	85.0	8.82	85.7	.0316	.7281	18.45.6	B	1 12 a. m.
10	26.972	20·20	85.0	8.89	85.6	.0325	.7289	18.45.8	B	2 12 ,,
11	26.766	20.16	84.8	8.87	85.5	.0318	.7287	18.45.9	B	3 12 ,,

On the 6th, at about 19h., Dip as obtained by Observation was 19°960
On the 7th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 9TH TO 11TH JUNE 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
June 9th—12	26·355	20.25	84°6	8.86	85°3	8.0333	2.7286	18°45·7	B	4 12 a. m.
13	26.561	20.23	84.6	9·00	85.2	·0330	.7301	18.46 3	C	5 12 „
14	27.795	20.31	84.6	9.15	85.1	.0343	.7318	18.46.9	C	6 12 „
15	28·138	20.30	84.8	9.02	85.0	.0341	.7303	18.46.3	C	7 12 „
16	26·904	20.56	85.6	8.85	85.5	.0384	.7285	18.45·1	C	8 12 „
17	26.218	20.79	86.1	8.88	86·0	.0422	.7288	18.44.6	R	9 12 „
18	24.914	21.01	87.0	8.70	86·7	.0458	.7268	18.43.3	R	10 12 „
19	24.159	21.25	87.5	8.68	87.0	.0497	.7266	18.42.7	R	11 12 „
20	23·816	21.27	88.0	8.91	87.5	.0501	.7291	18.43.7	R	Noon.
21	23.816	21.19	88.5	8.95	88·2	.0487	.7296	18.44.0	B	1 12 p. m.
22	23.953	20.93	88.5	8.82	88.5	.0444	.7281	18.44.1	B	2 12 „
23	24.226	20.65	88.6	8.77	89.0	.0398	.7276	18·44.4	B	3 12 „
June 10th-Noon.	25.120	20.51	88.4	8.77	89.1	.0376	.7276	18.44.7	B	4 12 „
1	25.532	20.44	88.0	8.74	89.1	.0365	.7272	18.44.6	C	5 12 „
2	25.532	20.40	87.1	8·66	88.7	.0358	.7264	18.44.4	C	6 12 „
3	25.669	20.31	86.3	8.57	87.8	.0343	.7254	18.44.4	C	7 12 „
4	25.463	20.27	86.0	8.59	87.6	.0337	.7256	18.44.5	C	8 12 „
5	25.669	20.24	85.8	8.61	87.0	.0332	.7258	18.44.7	R	9 12 „
6	25.875	20.28	85.7	8·41	86.9	.0338	.7236	18.43.7	R	10 12 „
7	26.286	20.24	85.5	8.45	86.5	.0332	.7241	18.44.0	R	11 12 „
8	26.492	20.31	85.5	8.48	86.0	.0343	.7244	18.44.0	R	Midnight.
9	26.835	20.34	85.3	8.50	86·0	.0348	.7246	18.43·9	B	1 12 a. m.
10	26.698	20 29	85.1	8·50	86.0	.0340	.7246	18.44.1	B	2 12 „
11	26.698	20.25	85.0	8.52	85.7	.0333	.7248	18.44.3	B	3 12 „
12	26.561	20.28	84·9	8.59	85 6	.0338	.7253	18.44.6	B	4 12 „
13	27.041	20.23	84.6	8.67	85.5	.0330	.7265	18.44.9	C	5 12 „
14	28·344	20.40	84·7	8.81	85.3	·0358	.7280	18.45.1	C	6 12 „
15	28.344	20.53	84.9	8.84	85.5	.0379	.7283	18·45.0	C	7 12 „
16	28.687	20.87	85.5	8.68	85.9	.0435	.7266	18.43.5	C	8 12 „
17	28·138	21.23	86.0	8.38	86.0	.0494	.7244	18.42.0	R	9 12 „
18	26.423	21.79	86·7	8.00	86.5	.0586	.7191	18.38.6	R	10 12 „
19	24.707	21.94	87.4	7.81	87.0	.0610	.7170	18.37.6	R	11 12 „
20	23.609	21.86	88·0	7·97	87.5	.0597	·7188	18.38.4	R	Noon.
21	23.540	21.74	88.5	8.35	88.2	·0578	.7230	18.40.4	B	1 12 p. m.
22	23.609	21.48	88.5	8.41	88.6	.0535	.7236	18.41.1	B	2 12 „
23	24.363	21.21	88.6	8.39	89.0	.0491	.7234	18.41.6	B	3 12 „
June 11th-Noon.	24.570	20.97	88.6	8.39	89.1	.0451	.7234	18.42.1	B	4 12 „
1	24.159	21.14	88.0	8.32	89.0	.0479	.7226	18.41.5	C	5 12 „
2	23.746	21.17	87.5	8.19	88.2	.0484	.7212	18.40.9	C	6 12 „
3	23·746	21.03	87.0	8.24	87.9	.0461	.7266	18.41.3	C	7 12 „
4	23.953	20.90	86.5	8.63	87.5	.0439	.7260	18.43.3	C	8 12 „
5	24.983	20.82	86.2	8.71	87·0	.0426	.7269	18.43.7	R	9 12 „
6	25.394	20.68	86·0	8.91	87·0	.0403	.7291	18.45.0	R	10 12 „
7	26.629	20.71	85.9	8.95	86.5	.0409	.7296	18.45.1	R	11 12 „
8	26.561	20.73	85.7	8.98	86.5	.0412	.7299	18.45.2	R	Midnight.
9	26.698	20.61	85.4	8.99	86.4	.0392	.7300	18.45.5	B	1 12 a. m.
10	27.590	20.46	85.3	9.09	86.2	.0368	.7311	18.46.2	B	2 12 „
11	27.658	20.67	85.1	9.02	85·8	.0402	.7303	18.45.5	B	3 12 „
12	26.835	20.71	85.0	9.07	85.6	.0409	.7309	18.45.6	B	4 12 „
13	26.835	20.62	84.9	9.08	85.4	.0393	.7300	18.45.9	C	5 12 „
14	28.756	20.56	84.2	9.15	84.9	.0384	.7318	18·46.4	C	6 12 „
15	29.373	20.76	84.9	9.40	85.1	.0417	.7345	18.46.9	C	7 12 „
16	29.307	21.08	85.7	9.17	85.7	.0469	.7320	18.45.3	C	8 12 „
17	28.619	21.40	86.4	8.94	86.2	.0522	.7294	18.43·5	R	9 12 „
18	27.561	21.54	87.0	8.81	87.0	.0545	.7280	18.42·6	R	10 12 „
19	26.218	21.83	87.5	8.68	87.0	·0592	.7266	18.41·5	R	11 12 „
20	24·983	21.74	87.9	8.58	87.5	.0578	.7255	18.41.4	R	Noon.
21	24.432	21·63	88.3	8.59	87.9	.0559	.7256	18.41.6	B	1 12 p. m.
22	23.816	21.55	88.1	8.73	87.8	.0546	.7271	18.42.2	B	2 12 „
23	23.884	21.02	88.6	8.70	88.4	.0459	.7268	18.43.3	B	3 12 „

On the 10th, at about 19h., Dip as obtained by Observation was 19°06·6.

DAILY OBSERVATIONS, FROM 12TH TO 14TH JUNE 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
June 12th-Noon.	25·051	20.45	88°5	8.96	88°8	8.0366	2.7297	18°45′7	B	4 12 p. m.
1	24·159	20.47	87.7	8.91	88.5	.0370	.7291	18.45.4	C	5 12 „
2	24.363	20.18	87.4	8.85	88.4	.0321	.7285	18.45.8	C	6 12 „
3	24.914	20.09	86.9	8.90	87.9	.0307	.7290	18.46.2	C	7 12 „
4	25.120	19.88	86.3	8.90	87.2	.0272	.7290	18.46.7	C	8 12 „
5	26.080	19.98	86.0	9.01	87.0	.0290	.7302	18.46.8	R	9 12 „
6	26.012	20.26	86.0	9.06	86.6	.0335	.7308	18.46.5	R	10 12 „
7	26.629	20.00	85.7	9.19	86.2	.0292	.7322	18.47.6	R	11 12 „
8	27.109	19.98	85.6	9.00	86.0	.0288	.7310	18.47.2	R	Midnight.
9	27.521	20.09	85.3	9.08	86.0	.0307	.7310	18.47.0	B	1 12 a. m.
10	27.795	20.07	85.1	9.03	85.7	.0304	.7304	18.46.8	B	2 12 „
11	28.207	19.97	85.1	9.02	85.6	.0287	.7303	18.46.9	B	3 12 „
12	28.207	20.00	85.0	9.02	85.6	.0292	.7303	18.46.9	B	4 12 „
13	28.962	20.09	84.9	9.22	85.5	.0307	.7325	18.47.6	C	5 12 „
14	28.962	20.31	84.8	9.43	85.3	.0343	.7348	18.48.1	C	6 12 „
15	29.853	20.08	84.5	9.31	85.0	.0305	.7335	18.48.0	C	7 12 „
16	29.991	20.37	85.0	9.20	85.2	.0353	.7325	18.47.0	C	8 12 „
17	29.167	20.66	85.7	8.87	85.5	.0400	.7287	18.44.9	R	9 12 „
18	27·590	20.99	86.6	8.49	86.2	.0454	.7245	18.42.6	R	10 12 „
19	25.532	20.91	87.3	8·11	87.0	.0441	.7203	18.41.1	R	11 12 „
20	23.953	21.00	87.8	8.08	87.5	.0456	.7200	18.40.7	R	Noon.
21	23.130	21.06	88.1	8.44	87.9	.0466	.7239	18.42.1	B	1 12 p. m.
22	23.130	20.84	88.5	8.60	88.4	.0430	.7257	18.43.4	B	2 12 „
23	23.609	20.49	88.5	8.66	88.8	.0373	.7264	18.44.3	B	3 12 „
June 13th-Noon.	24.776	20.09	88.5	8·77	89.0	.0307	.7276	18.45.6	B	4 12 „
1	25.806	19.76	88.1	8.85	89.1	.0253	.7285	18.46.7	C	5 12 „
2	26.492	19.50	87.5	8.86	88.6	.0210	.7286	18.47.4	C	6 12 „
3	26.766	19.38	87·0	8.81	88.0	.0190	.7280	18.47.3	C	7 12 „
4	26.698	19.38	86.6	8.83	87.7	.0190	.7282	18.47.3	C	8 12 „
5	26.561	19.78	86.3	8.85	87.0	.0256	.7285	18.46.6	R	9 12 „
6	26.972	19.53	86.0	9.00	86.6	.0215	.7301	18.47.7	R	10 12 „
7	27.247	19.69	85.8	9.08	86.1	.0243	.7310	18.47.9	R	11 12 „
8	27.178	19.84	85.5	8.98	86.0	.0266	.7299	18.47.0	R	Midnight.
9	27.041	19.85	85.5	9.03	86.0	.0267	.7304	18.47.2	B	1 12 a. m.
10	27·389	19·79	85.2	9.02	85.6	·0258	.7303	18.47.3	B	2 12 „
11	27.247	19.81	85.1	9.05	85.5	.0261	.7307	18.47.5	B	3 12 „
12	27·590	19.77	85.0	9.06	85.4	.0255	.7308	18.47.5	B	4 12 „
13	27.727	19.81	84.7	9.25	85.1	.0261	.7329	18.48.3	C	5 12 „
14	28.824	19.62	84.4	9.29	84.6	.0231	.7333	18.48.9	C	6 12 „
15	29.510	19·96	84.6	9.34	84.6	.0235	.7338	18.48.3	C	7 12 „
16	28.756	19.86	84.9	8.97	84·4	.0269	·7298	18.47.0	C	8 12 „
17	27·727	20.04	85·0	8.85	84.9	.0299	·7285	18.46.1	R	9 12 „
18	25.669	20.37	85.6	8.65	85.1	.0353	·7263	18.44.5	R	10 12 „
19	23.473	20.59	86.1	8.80	85.5	.0389	.7279	18.44.6	R	11 12 „
20	22.991	20·49	85.8	8.97	85.7	.0373	.7298	18.45.7	R	Noon.
21	22.854	20.36	85.6	9.02	85.5	·0351	.7303	18.46.1	B	1 12 p. m.
22	23·609	19.87	83.7	9.14	84·5	.0271	.7316	18.47.7	B	2 12 „
23	24.914	19.88	83.2	9.30	84.1	.0272	.7334	18.48.4	B	3 12 „
June 14th-Noon.	25.875	19.76	83.2	9.26	83.7	.0253	.7330	18.48.5	B	4 12 „
1	25.806	19.69	83.4	9.30	84.0	.0243	.7334	18.48.8	C	5 12 „
2	26.629	19.54	81.9	9.19	83.0	.0217	.7322	18.48.5	C	6 12 „
3	26.218	19.74	82.0	9.19	83.0	.0250	.7322	18.48.1	C	7 12 „
4	25·600	19.61	82·2	9.24	83.0	.0230	.7327	18.48.6	C	8 12 „
5	25.875	20.05	82.2	9.29	83.0	.0300	.7333	18.48.0	R	9 12 „
6	26.012	19.97	82.6	9.29	83.0	.0287	.7333	18.48.1	R	10 12 „
7	26.423	19.99	82.7	9.39	83.0	.0290	.7344	18.48.5	R	11 12 „
8	26.492	19.89	82.7	8.89	83.0	.0274	.7289	18.46.6	R	Midnight.
9	26.835	19·95	82.5	8.87	83.0	.0283	.7287	18.46.5	B	1 12 a. m.
10	27.178	19.99	82.4	9.00	83.2	.0290	.7301	18.46.8	B	2 12 „
11	27.247	20.00	82.4	8.95	83.2	.0292	.7296	18.46.6	B	3 12 „

On the 13th, at about 19h., Dip as obtained by Observation was 19°02′5.

DAILY OBSERVATIONS, FROM 14TH TO 17TH JUNE 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
June 14th—12	27°247	19.83	82°5	8.93	83°1	8.0264	2.7293	18°46'9	B	4 12 a. m.
13	27.178	19.87	82.8	8.97	83.1	.0271	.7298	18.47.0	C	5 12 "
14	28.962	19.80	82.8	9.16	83.0	.0259	.7319	18.47.9	C	6 12 "
15	29.922	20.11	83.0	9.10	83.3	.0310	.7312	18.47.0	C	7 12 "
16	30.334	20.21	83.8	8.89	83.8	.0327	.7289	18.45.8	C	8 12 "
17	28.824	20·60	84.7	8.28	84.2	.0390	.7222	18.42.4	R	9 12 "
18	26.492	21.02	85.6	8·05	85.0	.0459	.7197	18.40.6	R	10 12 "
19	25.051	21.16	86.5	8.07	85.6	.0482	.7199	18.40.4	R	11 12 "
20	23.953	21.25	86.8	8.03	86·1	.0497	.7194	18.39.9	R	Noon
21	23.953	21.00	87.0	8.20	86.5	.0456	.7213	18.41.2	B	1 12 p. m.
22	24.090	20·80	87.3	8.27	87.2	.0423	.7221	18.42.0	B	2 12 "
23	23.816	20.46	87.5	8·28	87.5	.0368	.7222	18.42.7	B	3 12 "
June 16th—Noon.	25.875	20.23	85.3	8.57	86.4	.0330	.7254	18.44.5	C	4 12 "
1	25.737	19.99	84.9	8.53	86·0	.0290	.7249	18.43·8	C	5 12 "
2	26.080	19.92	84.5	8.57	85.7	.0278	.7254	18.45.2	C	6 12 "
3	25.875	19.78	84.2	8.43	85.4	.0256	.7238	18.44.8	C	7 12 "
4	25.806	19.84	84.2	8.45	85.0	.0266	.7241	18.44.8	C	8 12 "
5	25.943	19.84	84.0	8·50	85.0	.0266	.7246	18.45.0	R	9 12 "
6	26.355	19.90	84.0	8.55	85.0	.0275	.7252	18·45.1	R	10 12 "
7	26.423	19.92	84.0	8.60	84·9	.0278	.7257	18.45.4	R	11 12 "
8	26.835	19·86	84·0	8·68	84.5	.0269	.7266	18.45.7	R	Midnight.
9	26·904	19.83	84.0	8.69	84.6	·0264	.7267	18.45.9	B	1 12 a. m.
10	26.904	19.86	84.0	8.74	84.5	.0269	.7272	18·45.9	B	2 12 "
11	26.904	19.89	84.0	8.79	84.5	·0274	.7278	18.46.2	B	3 12 "
12	26.835	19.97	84.0	8.89	84.5	.0287	.7289	18.45.3	B	4 12 "
13	27·109	20.02	84.0	8.98	84.5	·0295	.7299	18.46.6	C	5 12 "
14	28.413	20.07	83.7	9.40	84.2	.0304	.7345	18.48.5	C	6 12 "
15	29.785	20.25	83.9	9.24	84.0	.0333	.7327	18.47.4	C	7 12 "
16	29.579	20.68	84.2	8.96	84.0	.0403	.7297	18.45·3	C	8 12 "
17	28.756	21.11	84.6	8.62	84.0	.0474	.7259	18.42.9	R	9 12 "
18	27.521	21·27	85.0	8.39	84.6	.0501	.7234	18.41.5	R	10 12 "
19	26.286	21.49	85.8	8·35	85.0	.0537	.7230	18.40.9	R	11 12 "
20	25.675	21.32	86.2	8.46	85.4	.0508	.7242	18.41.7	R	Noon.
21	24.983	21.04	86.6	8.33	86.1	.0463	.7227	18.41.8	B	1 12 p. m.
22	24.776	20·79	87.1	8.42	86.6	.0422	.7237	18.42.7	B	2 12 "
23	25.051	20.62	87.4	8.50	87.2	.0393	.7246	18.43.4	B	3 12 "
June 17th—Noon.	26.012	20.30	87.5	8.58	87·6	.0341	.7255	18.44.5	B	4 12 "
1	26·492	20.13	87.1	8.59	87.9	.0313	.7256	18.44.9	C	5 12 "
2	26.698	19·96	86.3	8·54	87.1	.0285	.7250	18.44.9	C	6 12 "
3	25.875	20.03	85·8	8.35	86.8	.0297	.7230	18.44.0	C	7 12 "
4	25.669	19.94	85.5	8.59	86.2	.0282	.7255	18.45·3	C	8 12 "
5	26.286	19.96	85.0	8.68	86.0	.0285	.7266	18.45.4	R	9 12 "
6	26.286	19.95	85.0	8.67	85.5	.0283	·7265	18.45.6	R	10 12 "
7	26.561	19.88	84.5	8.70	85.2	.0272	.7268	18.45.8	R	11 12 "
8	26.492	19.94	84.5	8.80	85.0	.0282	.7279	18.46.1	R	Midnight.
9	26.423	19.97	84.5	8.89	84.8	.0287	.7289	18.46 3	B	1 12 a. m.
10	26.766	20.03	84.1	8.89	84.5	.0297	.7289	18.46.2	B	2 12 "
11	26.698	20.08	84.0	8.87	84.1	.0305	.7287	18.46.1	B	3 12 "
12	26.561	19.99	83.7	8.97	84.1	.0290	.7298	18.46.4	B	4 12 "
13	27.590	20.04	83.3	9.12	83.9	.0299	.7314	18.47.2	C	5 12 "
14	28.344	20.07	83.1	9.19	83.6	.0304	.7322	18.47.5	C	6 12 "
15	28.276	20.26	83.0	9.20	83.3	.0335	.7323	18.47.1	C	7 12 "
16	27.590	20.75	83.6	8.93	83.5	.0415	.7293	18.44.8	C	8 12 "
17	26.218	21.11	84.4	8·70	84.0	.0474	.7268	18.43.2	R	9 12 "
18	24.295	21.51	85.0	8.43	84.4	.0540	.7238	18.41.2	R	10 12 "
19	22.991	21.22	84.0	8.52	84.0	.0492	.7248	18.42.2	R	11 12 "
20	22.512	21.34	84.6	8.32	84.1	.0512	.7225	18.41.4	R	Noon.
21	23.267	21.15	85.6	8.50	85.0	.0480	.7246	18.42.3	B	1 12 p. m.
22	23.746	21.03	86.1	8.59	85.6	.0461	.7256	18.42.9	B	2 12 "
23	24.021	20.85	86.1	8.78	86.1	.0431	.7277	18.44.1	B	3 12 "

On the 14th, at about 19h. 40m.; Deflection Observations were taken.
On the 17th, at about 19h. 20m., Dip as obtained by Observation was 19°00'6.

DAILY OBSERVATIONS, FROM 18TH TO 20TH JUNE 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
June 18th-Noon.	24'776	20.68	86°5	8.92	86°6	8.0403	2.7292	18°45'0	B	4 12 p. m.
1	25.463	20.42	86.2	8.96	87.0	.0361	.7297	18.45.8	C	5 12 „
2	25.669	20.17	85.7	8.79	87.0	.0320	.7278	18.45.5	C	6 12 „
3	25.463	20.16	85.4	8.69	86.3	.0318	.7267	18.45.1	C	7 12 „
4	25.463	20.05	85.2	8.62	86.0	.0300	.7259	18.45.1	C	8 12 „
5	25.737	20.02	85.0	8.67	85.8	.0295	.7265	18.45.3	R	9 12 „
6	26.149	20.01	84.9	8.77	85.6	.0294	.7276	18.45.8	R	10 12 „
7	26.218	20.03	84.9	8.80	85.3	.0297	.7279	18.45.8	R	11 12 „
8	26.492	20.04	84.7	8.95	85.0	.0299	.7296	18.46.5	R	Midnight.
9	26.835	20.01	84.5	8.90	85.0	.0294	.7290	18.46.4	B	1 12 a. m.
10	27.041	20.08	84.4	9.00	85.0	.0305	.7301	18.46.6	B	2 12 „
11	26.904	20.10	84.2	8.99	84.8	.0308	.7300	18.46.6	B	3 12 „
12	27.041	20.06	84.2	9.06	84.7	.0302	.7308	18.47.0	B	4 12 „
13	27.521	20.07	84.0	9.14	84.6	.0304	.7316	18.47.3	C	5 12 „
14	28.756	20.17	83.9	9.30	84.3	.0320	.7334	18.47.7	C	6 12 „
15	29.853	20.40	84.0	9.08	84.4	.0358	.7300	18.46.3	C	7 12 „
16	29.579	20.65	84.6	8.92	84.6	.0398	.7292	18.45.0	C	8 12 „
17	28.413	20.93	85.0	8.69	85.0	.0444	.7267	18.43.6	R	9 12 „
18	26.698	21.12	85.6	8.47	85.0	.0475	.7243	18.42.2	R	10 12 „
19	24.914	21.08	86.2	8.34	85.6	.0469	.7228	18.41.7	R	11 12 „
20	24.090	21.04	86.8	8.43	86.1	.0463	.7238	18.42.2	R	Noon.
21	24.707	20.82	86.6	8.61	86.4	.0426	.7253	18.43.4	B	1 12 p. m.
22	24.924	20.74	87.4	8.61	87.1	.0414	.7258	18.43.7	B	2 12 „
23	24.983	20.51	87.5	8.48	87.8	.0376	.7244	18.43.5	B	3 12 „
June 19th-Noon.	25.189	20.39	87.8	8.42	88.1	.0356	.7237	18.43.5	B	4 12 „
1	25.532	20.20	87.2	8.39	88.2	.0325	.7234	18.43.7	C	5 12 „
2	25.875	20.14	86.7	8.42	87.9	.0315	.7237	18.44.0	C	6 12 „
3	26.080	19.96	86.0	8.41	87.0	.0285	.7236	18.44.3	C	7 12 „
4	26.286	19.99	85.8	8.68	86.9	.0290	.7266	18.45.4	C	8 12 „
5	25.943	20.11	85.7	8.70	86.7	.0310	.7268	18.45.3	R	9 12 „
6	25.806	20.13	85.5	8.74	86.5	.0313	.7272	18.45.4	R	10 12 „
7	26.218	20.07	85.4	8.83	86.1	.0304	.7282	18.45.9	R	11 12 „
8	26.835	20.04	85.2	8.88	86.0	.0299	.7288	18.46.2	R	Midnight.
9	26.629	20.08	85.1	8.73	86.0	.0305	.7271	18.45.4	B	1 12 a. m.
10	26.629	20.05	84.8	8.69	85.5	.0300	.7267	18.45.4	B	2 12 „
11	26.698	20.07	84.8	8.72	85.2	.0304	.7270	18.45.5	C	3 12 „
12	26.835	20.09	84.6	8.76	85.2	.0307	.7275	18.45.6	C	4 12 „
13	27.169	20.12	84.3	8.85	85.0	.0311	.7285	18.46.0	R	5 12 „
14	28.276	20.19	84.5	8.98	85.0	.0323	.7299	18.46.3	R	6 12 „
15	28.481	20.30	84.7	8.97	85.2	.0341	.7298	18.46.1	B	7 12 „
16	28.481	20.67	85.1	8.87	85.4	.0402	.7287	18.44.9	B	8 12 „
17	28.001	20.93	85.0	8.68	85.2	.0444	.7266	18.43.5	C	9 12 „
18	26.149	21.14	84.1	8.21	84.7	.0479	.7214	18.41.0	C	10 12 „
19	22.581	21.61	84.5	7.95	84.9	.0556	.7186	18.38.8	R	11 12 „
20	21.638	21.55	85.0	8.25	85.0	.0546	.7219	18.40.2	R	Noon.
21	21.345	21.51	85.4	8.36	85.2	.0540	.7231	18.40.9	B	1 12 p. m.
22	23.130	21.19	85.5	8.60	85.3	.0487	.7257	18.42.6	B	2 12 „
23	24.363	20.77	85.7	8.81	85.4	.0419	.7280	18.44.3	C	3 12 „
June 20th-Noon.	2.5600	20.21	85.9	8.78	85.4	.0327	.7277	18.45.4	C	4 12 „
1	2.5600	20.07	85.4	8.67	85.7	.0304	.7265	18.45.3	R	5 12 „
2	26.080	19.94	85.0	8.70	85.2	.0282	.7268	18.45.7	R	6 12 „
3	25.943	19.91	84.6	8.71	85.0	.0277	.7269	18.45.7	B	7 12 „
4	25.737	19.89	84.4	8.79	84.7	.0274	.7278	18.46.2	B	8 12 „
5	26.149	19.80	84.0	8.86	84.9	.0259	.7286	18.46.6	C	9 12 „
6	26.355	19.92	83.8	8.91	84.8	.0278	.7291	18.46.6	C	10 12 „
7	26.218	19.93	83.5	8.92	84.0	.0280	.7292	18.46.6	R	11 12 „
8	26.080	20.04	83.7	8.92	84.0	.0299	.7292	18.46.3	R	Midnight.
9	26.149	20.06	83.5	8.94	84.1	.0302	.7294	18.46.4	B	1 12 a. m.
10	26.218	20.03	83.5	8.92	84.0	.0297	.7292	18.46.3	B	2 12 „
11	26.286	19.91	83.1	8.93	83.8	.0277	.7293	18.46.7	B	3 12 „

DAILY OBSERVATIONS, FROM 20TH TO 23RD JUNE 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
June 20th—12	26·286	19.99	83·0	9.01	83·6	8.0290	2.7302	18°46′8	B	4 12 a. m.
13	26.629	20.04	82·9	9.09	83.5	.0299	.7311	18.47.1	C	5 12 „
14	28.413	20.09	81·0	9.52	82.7	.0307	.7358	18.47.9	C	6 12 „
15	28.962	20.39	81.0	9·45	82.4	.0356	.7351	18.47.9	C	7 12 „
16	28.619	20.49	81.9	9.30	82.8	·0373	.7334	18.47.1	C	8 12 „
17	29.236	20.97	83.0	8.99	83.0	.0451	.7300	18.44.7	R	9 12 „
18	27.247	21.18	83.2	8.59	83.1	.0435	.7256	18.42.5	R	10 12 „
19	25·669	21.14	84.0	8.46	83·6	.0479	.7242	18.42.1	R	11 12 „
20	24.846	21.08	84.6	8.62	84.0	.0469	.7259	18.42.9	R	Noon.
21	24.639	20.89	84·9	8.72	84.1	.0438	.7270	18.43.7	B	1 12 p.m.
22	24.776	20.69	84.9	8.89	84.6	.0405	.7239	18.44.8	B	2 12 „
23	25.120	20.43	85·1	9.00	85.0	.0363	.7301	18.45.9	B	3 12 „
June 21st-Noon.	25.875	20.36	85.3	9·02	85.5	.0351	.7303	18.46·1	B	4 12 „
1	26.423	20.24	85.0	8.77	85.7	.0332	.7276	18.45.3	C	5 12 „
2	26.218	20.25	84.7	8.65	85.0	.0333	·7263	18.44.8	C	6 12 „
3	26.149	20.02	84.0	8.57	83.9	.0295	.7254	18.44.9	C	7 12 „
4	25.737	19.84	83.4	8.68	83.4	.0266	.7266	18.45.7	C	8 12 „
5	25.532	20.03	83.2	8.59	83·1	.0297	.7256	18.45·0	R	9 12 „
6	25.669	20.01	82.7	8.69	83.0	.0294	.7267	18.45.4	R	10 12 „
7	26.218	19.85	82.5	8.64	83.0	.0267	.7261	18.45.5	R	11 12 „
8	26.561	20.08	82.4	8·69	83.0	.0305	.7257	18·45·3	R	Midnight.
9	26.629	20.22	82.6	8.74	83.1	·0328	·7272	18.45.1	B	1 12 a. m.
10	26.972	20.27	82.6	8.79	83.1	·0337	.7278	18·45.3	B	2 12 „
11	26.972	20.31	82.5	8.77	83.1	.0343	.7276	18·45·2	B	3 12 „
12	26.972	20.32	82.5	8.76	83.2	.0344	.7275	18.45·2	B	4 12 „
13	27.384	20.33	82.7	8.90	83.2	.0346	.7290	18.45·6	C	5 12 „
14	28.619	20.34	82.8	9.35	83.2	.0348	.7340	18.47·6	C	6 12 „
15	29.099	20·47	83.0	9.32	83.3	.0370	.7336	18.47.2	C	7 12 „
16	29.167	20.74	83.9	9.16	83.9	.0414	.7319	18.46·0	C	8 12 „
17	28.550	20.92	84.0	8.82	84.0	·0412	.7281	18.44.1	R	9 12 „
18	27.452	20.95	83.0	8.80	83.3	·0447	.7279	18.43.8	R	10 12 „
19	25.943	21.29	84.0	8.72	84.0	·0504	.7270	18.42.9	R	11 12 „
20	24.914	21.05	83.0	8.82	84.0	·0464	.7281	18.43·8	R	Noon.
21	24.914	21.00	83.4	8.93	83.6	.0456	.7293	18·44.3	B	1 12 p.m.
22	24.363	20.94	83.4	8.76	83.7	.0446	.7275	18.43.7	B	2 12 „
23	24.776	20.65	83·1	8.91	83.5	.0398	·7291	18.45·0	B	3 12 „
June 23rd-Noon.	26.218	20·05	83.5	8.97	83.9	.0300	.7298	18.46.6	C	4 12 „
1	26.286	20.05	83.6	8·84	84.0	.0300	.7283	18.46.0	C	5 12 „
2	25.875	20.12	83·6	8.66	83.9	.0311	·7261	18.45.1	C	6 12 „
3	25.669	20.03	83.1	8.69	83·8	.0297	.7267	18.45.4	C	7 12 „
4	25.669	19.72	82·9	8.76	83.5	·0236	.7275	18.46.5	C	8 12 „
5	25.875	19·89	82.7	8.80	83·4	.0274	.7279	18.46.2	R	9 12 „
6	26.355	19.82	82·6	8.85	83·3	.0262	.7285	18.46·6	R	10 12 „
7	26.286	20.02	82.5	8.85	83·2	.0295	.7285	19.46·1	R	11 12 „
8	26.286	19·95	82.5	8.89	83.0	.0283	.7289	18.46.5	R	Midnight.
9	26·423	20.08	82.5	9.09	83.1	.0305	.7311	18.47.0	B	1 12 a. m.
10	26·286	20.18	82.6	9.09	83.1	.0321	.7311	18.46.8	B	2 12 „
11	26.286	20.11	82·5	9.14	83.1	.0310	.7316	18.47.2	B	3 12 „
12	26.629	20.12	82.3	9.14	83.0	.0311	.7316	18.47.2	B	4 12 „
13	27·521	20·16	82.2	9.29	82.9	.0318	.7333	18.47.7	C	5 12 „
14	29.853	20.13	82.1	9.46	82.9	.0313	.7352	18.48.6	C	6 12 „
15	30.882	20.29	82.2	9.41	82.9.	.0340	.7346	18.48.0	C	7 12 „
16	30·471	20.49	82 6	9.03	83.0	.0373	.7304	18.45.9	C	8 12 „
17	29.305	20.78	83.5	8.60	83.2	.0420	.7257	18.43.5	R	9 12 „
18	27·452	20.93	84.0	8.25	83.5	.0444	.7219	18.41.7	R	10 12 „
19	25.120	21·03	84.6	7.95	84.0	.0461	.7186	18.40.1	R	11 12 „
20	23.816	21.19	85.2	7.96	84.6	.0487	.7187	18·39.8	R	Noon.
21	23.404	21.05	85·8	8.20	85.0	·0464	.7213	18.41·2	B	1 12 p.m.
22	23·953	20.93	86.0	8.51	85.4	.0444	.7247	18.42.9	B	2 12 „
23	25.189	20.59	85.8	8.87	85.6	.0389	.7287	18·45.0	B	3 12 „

On the 20th, at about 19h. 15m., Dip as obtained by Observation was 19°01′2.
On the 21st, at about 19h. 25m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 24TH TO 26TH JUNE 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
JUNE 24TH-Noon.	26·080	20.27	85·2	8.87	85·5	8.0337	2.7287	18°45′7	B	4 12 p. m.
1	26.835	20.10	84.7	8.82	85.4	.0308	.7281	18.45.8	C	5 12 ,,
2	27.109	19.96	84.5	8.78	85.3	.0285	.7277	18.45.9	C	6 12 ,,
3	26.080	19.98	84.1	8.63	85.1	.0288	.7260	18.45.2	C	7 12 ,,
4	25.737	19.96	84.0	8.70	84.9	.0285	.7268	18.45.5	C	8 12 ,,
5	26.080	19.97	84.0	8.74	84.8	.0287	.7272	18.45.6	R	9 12 ,,
6	25.875	19.91	83.7	8.74	84 6	.0277	.7272	18.45.8	R	10 12 ,,
7	26.149	19.88	83.5	8.82	84.1	.0272	.7281	18.46.3	R	11 12 ,,
8	26.972	19.89	83.0	8.86	83.8	.0274	.7286	18.46.5	R	Midnight.
9	26.561	19.84	82.5	8.88	83.4	.0268	.7288	18.46.6	B	1 12 a. m.
10	26.492	19.87	82.5	8.88	83.3	.0272	.7288	18.46.6	B	2 12 ,,
11	26.766	19.93	82.1	8.85	82.9	.0280	.7285	18.46.4	B	3 12 ,,
12	26.423	19.96	82.0	8.80	82.8	.0285	.7279	18.46.9	B	4 12 ,,
13	26.972	19.98	82.0	8.93	82.8	.0288	.7293	18.47.5	C	5 12 ,,
14	28.619	19.94	80.8	9.04	82·1	.0282	.7305	18.47.2	C	6 12 ,,
15	28.893	20.34	80.7	8.96	82.0	.0348	.7297	18.45.9	C	7 12 ,,
16	28.138	20.82	81.4	8.91	82.2	.0426	.7291	18.44.6	C	8 12 ,,
17	25.600	20.75	82.2	8.58	82.5	.0415	.7255	18.43.4	R	9 12 ,,
18	23.473	21.14	83.0	8.39	83.0	.0479	.7234	18.41.8	R	10 12 ,,
19	21.963	21.44	83.7	8.20	83.3	.0529	.7213	18.40.3	R	11 12 ,,
20	21.895	21.42	84.2	8.30	83.9	.0525	.7224	18.41.0	R	Noon.
21	22.581	21.36	84.7	8.42	84.5	.0515	.7236	18.41.3	B	1 12 p. m.
22	23.746	20.99	85.3	8.56	85.3	.0454	.7253	18.42.9	B	2 12 ,,
23	24.570	20.89	84.9	8.61	85.4	.0438	.7258	18.43.3	B	3 12 ,,
JUNE 25TH-Noon.	25.669	20.69	84.9	8.56	85.4	.0405	.7253	18.43.5	B	4 12 ,,
1	26.218	20.33	84.4	8.70	85.3	.0346	.7268	18.44.7	C	5 12 ,,
2	26.766	20.03	83.9	8.55	85.0	.0297	.7252	18.44.8	C	6 12 ,,
3	26.012	19.82	83.6	8.40	84.8	.0262	.7235	18.44.7	C	7 12 ,,
4	25.600	19.95	83.6	8.44	84.6	.0283	.7239	18.44.6	C	8 12 ,,
5	25.532	20.02	83.7	8.40	84.4	.0295	.7245	18.44.2	R	9 12 ,,
6	26.080	19.92	83.4	8.52	84.0	.0278	.7248	18.45.0	R	10 12 ,,
7	26.218	20.08	83.2	8.62	84.0	.0305	.7259	18 45·0	R	11 12 ,,
8	25.943	20.03	83.2	8.32	84.0	.0298	.7281	18.45.9	R	Midnight.
9	26.286	19.86	83.1	8.81	83.8	.0269	.7280	18.46.3	B	1 12 a. m.
10	26.835	20.01	83.1	8.83	83.8	.0294	.7282	18.46.0	B	2 12 ,,
11	26.423	19.91	83.1	8.86	83.8	.0277	.7286	18.46.5	B	3 12 ,,
12	26.629	20.06	83.2	8.81	83.8	.0302	.7280	18.45.9	B	4 12 ,,
13	26.904	20 04	83.0	8.89	83.6	.0299	.7289	18.46.2	C	5 12 ,,
14	28.687	20.02	82.9	9.00	83.4	.0295	.7301	18.46.7	C	6 12 ,,
15	29.236	20.17	83.0	8.89	83.6	.0320	.7289	18.45.9	C	7 12 ,,
16	28.687	20.39	83.8	8.74	83.9	.0356	.7272	18.44.7	C	8 12 ,,
17	27.933	20.64	84.0	8.48	84.0	.0397	.7244	18.43.2	R	9 12 ,,
18	26.698	20.85	83.0	8.21	83.8	.0431	.7214	18.41.6	R	10 12 ,,
19	24.707	21.06	83.0	8.14	83.1	.0466	.7206	18.40.8	R	11 12 ,,
20	23.130	21.04	83.0	8.14	83.0	.0463	.7206	18.40.9	R	Noon.
21	23.198	20.84	83.0	8.47	83.0	.0430	.7243	18.42.8	B	1 12 p. m.
22	24.159	20.48	82.0	8.62	82.4	.0371	.7259	18.44.2	B	2 12 ,,
23	25.257	20.18	82.1	8.88	82.5	.0321	.7288	18.45.9	B	3 12 ,,
JUNE 26TH-Noon.	26.904	19.71	82.5	8.98	82.8	.0245	.7299	18.47.2	B	4 12 ,,
1	27.247	19.69	82.6	8.79	83.0	.0243	.7278	18.46.6	C	5 12 ,,
2	26.286	19.72	82.1	8.57	82.9	.0246	.7254	18.45.5	C	6 12 ,,
3	25.669	19.78	82.1	8.54	82.9	.0256	.7250	18.45.3	C	7 12 ,,
4	25.669	19.83	82.1	8.71	82.9	.0264	.7269	18.45.9	C	8 12 ,,
5	25.875	19.98	82.2	8.74	82.9	.0288	.7272	18.45.6	R	9 12 ,,
6	26.423	20.00	82.2	8.79	83.0	.0292	.7278	18.45.9	R	10 12 ,,
7	26.149	20.00	82.3	8.79	83.0	.0292	.7278	18.45.9	R	11 12 ,,
8	26.355	19.91	82.3	8.79	82.9	.0277	.7278	18.46.1	R	Midnight.
9	26.629	19.90	82.2	8.99	82.9	.0275	.7300	18.47.0	B	1 12 a. m.
10	26.561	19.93	82.2	8.98	82.8	.0280	.7299	18.46.9	B	2 12 ,,
11	26.698	20.01	82.1	9.08	82.7	.0294	7310	18.47.2	B	3 12 ,,

On the 24th, at about 19h, 20m., Dip as obtained by Observation was 18°59′4.

DAILY OBSERVATIONS, FROM 26TH TO 28TH JUNE 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
June 26th—12	26·080	19.97	82·0	8.88	82·5	8.0287	2.7288	18°46′3	B	4 12 a. m.
13	26.561	19.92	81.8	8.97	82·4	.0278	.7298	18.46.9	C	5 12 „
14	27.658	20.07	81·8	9.08	82.5	.0304	.7310	18.47·1	C	6 12 „
15	27.658	20.32	81.8	9.12	82.5	.0344	.7314	18.46·7	C	7 12 „
16	27.933	20.54	81.9	8.94	82.5	.0381	.7294	18·45.4	C	8 12 „
17	26.423	20.92	82.2	8·93	82·5	.0442	.7299	18.44.8	R	9 12 „
18	24.639	20.92	82.7	8.88	82.5	.0442	.7288	18·44.4	R	10 12 „
19	24.090	21·08	83.5	8.79	83.0	.0469	.7279	18.43.6	R	11 12 „
20	23.609	21·07	84.0	8.96	83.5	.0468	.7297	18.44.4	R	Noon.
21	23.609	21.00	84·2	8.87	84.0	.0456	.7287	18.44.1	B	1 12 p. m.
22	24.570	20.80	84.5	8.98	84.2	.0423	.7299	18.45.0	B	2 12 „
23	25·463	20.47	84·1	8.94	84.1	.0370	.7294	18.45.5	B	3 12 „
June 27th-Noon.	26.149	20.16	83.5	8.52	84.0	.0318	.7246	18.44.3	B	4 12 „
1	26.766	19.96	83.1	8.64	84.0	·0285	.7261	18.45.2	C	5 12 „
2	26.423	19.87	82.9	8·63	83.5	·0271	.7260	18.45.5	C	6 12 „
3	26.012	19·86	82.7	8.55	83.5	.0269	.7252	18.45.2	C	7 12 „
4	26.012	19.93	82·6	8.46	83·3	.0280	.7242	18.44.7	C	8 12 „
5	26.218	19.90	82.2	8.49	83.1	.0275	.7245	18.44.9	R	9 12 „
6	25.943	19.88	82.0	8.49	83.0	.0272	.7245	18.45.0	R	10 12 „
7	26.218	19.96	82.0	8·49	83.0	.0285	·7245	18.44·7	R	11 12 „
8	26.355	20.03	82.1	8.59	83.0	.0297	.7256	18·45.0	R	Midnight.
9	26.423	20·07	82.2	8.68	82.8	·0304	.7266	18.45.3	B	1 12 a. m.
10	26.423	20·06	82.1	8.78	82.8	·0302	.7297	18.45.8	B	2 12 „
11	26.629	20.08	82.1	8·80	82.8	.0305	.7279	18.45.7	B	3 12 „
12	26·835	20.06	82.0	8.86	82.7	.0302	.7286	18.46.1	B	4 12 „
13	27.727	20.12	81.8	8.96	82.6	.0311	.7297	18.46.5	C	5 12 „
14	29.305	20.20	81.7	9.03	82.6	.0325	.7304	18.46.4	C	6 12 „
15	29.442	20.20	82.0	8·92	82.6	.0325	.7292	18.45.9	C	7 12 „
16	29·030	20·67	82.9	8.81	83.0	·0402	.7280	18·44·6	C	8 12 „
17	28.070	20.99	83.7	8.59	83.1	.0454	.7256	18.43.0	R	9 12 „
18	26.286	21.31	84.0	8.61	83·5	.0507	.7258	18.42.4	R	10 12 „
19	24.295	21.45	84.8	8.42	84·0	.0530	·7237	18.41·3	R	11 12 „
20	23.335	21.34	85.2	8·29	84·8	.0512	.7223	18.41.0	R	Noon.
21	22.787	21.22	85.6	8.41	85.2	.0492	.7236	18.41.7	B	1 12 p. m.
22	23.953	20.83	85.6	8.52	85.6	.0428	.7248	18.43.0	B	2 12 „
23	25.600	20.42	85.6	8·50	86.1	.0361	.7246	18.43.8	B	3 12 „
June 28th-Noon.	26.492	19.66	84.5	8.47	85.8	·0238	.7243	18.45.3	B	4 12 „
1	26.972	19.71	84.3	8.39	85.7	.0245	.7234	18·44.7	C	5 12 „
2	26.904	19.82	84.2	8·36	85.3	.0262	.7231	18.44·5	C	6 12 „
3	26.012	19.93	84.0	8.37	84.9	.0280	.7232	18.44.3	C	7 12 „
4	26.766	19.70	83.9	8.39	84.6	.0243	.7234	18.44.9	C	8 12 „
5	26.149	19.81	83·7	8.42	84.0	·0261	.7237	18.44.8	R	9 12 „
6	26.012	19.84	83.5	8.32	84.0	.0266	.7226	18.44.2	R	10 12 „
7	26·149	19.93	83·2	8.32	84.0	.0280	.7226	18.44.1	R	11 12 „
8	26.698	19.94	83.0	8.12	83.9	.0282	.7205	18.43.3	R	Midnight.
9	26.492	20.00	82.5	8.04	83.1	.0292	.7195	18.42.7	B	1 12 a. m.
10	26.561	19.96	82.3	8·06	82.8	.0285	.7198	18.42.8	B	2 12 „
11	26.766	19.86	82.0	8.06	82.6	.0269	·7198	18.43.1	B	3 12 „
12	27.041	20.02	82.0	8·10	82.6	.0295	.7202	18.42.8	B	4 12 „
13	27.178	19.94	81.9	8.27	82.4	.0282	.7222	18.43.9	C	5 12 „
14	27.727	19.99	81.9	8.43	82.5	.0290	.7238	18.44.4	C	6 12 „
15	28.344	20.06	82.0	8.38	82.5	.0302	.7233	18.44·1	C	7 12 „
16	28.276	20.43	82.3	8.23	82.5	.0363	.7216	18.42.6	C	8 12 „
17	26.904	20.76	83.0	8.04	83.0	.0417	.7195	18.41.0	R	9 12 „
18	24.846	21.12	83.5	7·99	83.0	.0475	.7190	18.40.1	R	10 12 „
19	24·502	21.24	84·0	8.01	83.6	.0496	.7192	18.39.8	R	11 12 „
20	23.816	21.08	84.5	7.97	84.0	.0469	.7188	18.40.1	R	Noon.
21	23.746	20.90	85.0	7·94	84.6	.0439	.7184	18.40.3	B	1 12 p. m.
22	24.021	20·85	85.3	7.91	85.3	.0431	.7181	18.40.3	B	2 12 „
23	24.983	20·50	85.4	8.02	85.6	.0374	.7193	18.41.6	B	3 12 „

On the 28th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 30TH JUNE TO 2ND JULY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
JUNE 30TH-Noon.	24·707	20.28	82°3	7.95	83°5	8.0338	2.7186	18°41·7	C	4 12 p. m.
1	25.532	19.92	81.2	7.94	82.6	.0278	.7184	18.42.4	C	5 12 „
2	25.875	19·78	80.7	7.86	81.9	.0256	.7186	18.42.3	C	6 12 „
3	25·051	19.96	80.6	8.11	82.0	.0285	·7204	18.43.0	C	7 12 „
4	24·914	19.89	80.5	8.26	81.4	.0274	.7220	18.44.0	C	8 12 „
5	24.846	20.03	80.7	8.25	81.6	.0297	.7219	18.43.5	R	9 12 „
6	24.846	20.26	80.9	8.35	81.7	.0335	.7230	18.43.5	R	10 12 „
7	25.532	20.33	81.0	8.66	82.0	.0346	.7264	18.44.5	R	11 12 „
8	25.875	20.37	81.2	8.76	82.0	.0353	.7275	18.45.0	R	Midnight.
9	25.806	20.32	81.5	8.82	82.3	.0344	.7281	18·45·4	R	1 12 a. m.
10	25.943	20.22	81.5	8.85	82.4	.0328	.7285	18.45.7	B	2 12 „
11	26.355	20.29	81.5	8.85	82·3	.0340	.7285	18.45.6	B	3 12 „
12	26.218	20.22	81.0	8.67	82.3	.0328	.7265	18.44·9	B	4 12 „
13	26.972	20·32	81.1	8.64	82.0	·0344	.7261	18.44.6	C	5 12 „
14	28.619	20.49	80.7	8.65	81.6	.0373	.7263	18.44.3	C	6 12 „
15	28·756	20.71	80.8	8.64	81.4	.0409	.7261	18,43.7	C	7 12 „
16	27·795	20.61	80·6	8.65	81.0	.0392	.7263	18.44.0	C	8 12 „
17	26.561	20.83	80.7	8.68	81;0	.0428	.7266	18.43.6	R	9 12 „
18	25.600	20.87	80.1	8.55	81.0	.0435	·7251	18·43.0	R	10 12 „
19	24.090	21.29	80.4	8.61	81.0	.0504	.7258	18.42.6	R	11 12 „
20	24.021	21.25	80.0	8.43	80.9	.0497	.7238	18.41.7	R	Noon.
21	23.816	20.93	79.6	8·51	80.4	.0444	.7247	18.42.9	B	1 12 p. m.
22	24.363	20·77	79.5	8.57	80.2	.0419	.7254	18.43.3	B	2 12 „
23	24.983	20.39	79.7	8.66	80.4	.0356	.7263	18.44.4	B	3 12 „
JULY 1ST-Noon.	25.875	20.17	79.5	8.63	80.2	.0320	.7260	18.44.8	B	4 12 „
1	26.629	20.00	79.1	8·79	79·9	·0292	.7268	18 45.5	B	5 12 „
2	26.629	20.01	79.2	8.69	79.6	.0294	.7267	18.45.5	B	6 12 „
3	25.806	20.01	79.5	8.77	79·8	.0294	.7276	18.45.8	B	7 12 „
4	25.189	19.82	80.3	8.76	80.3	.0262	.7275	18.46.2	B	8 12 „
5	25.532	19.71	80.3	8.69	80.4	.0245	.7267	18.46.0	C	9 12 „
6	25.532	19.67	79.1	8.66	79.9	.0240	·7264	18.46.0	C	10 12 „
7	25·948	19.83	79.0	8·69	79.8	.0264	.7267	18.45.9	C	11 12 „
8	25.806	19·91	79.6	8.72	79.9	.0277	.7270	18·45.8	C	Midnight.
9	26.149	19.99	80.0	8.81	80·3	.0290	.7280	18.46.0	R	1 12 a. m.
10	26·080	20·09	80.5	8.76	80.4	.0307	·7275	18.45.6	R	2 12 „
11	26.218	20.14	80.5	8.72	80.8	.0315	.7270	18.45.2	R	3 12 „
12	26.286	20.22	80.5	8.72	80.7	.0328	.7270	18.45.1	R	4 12 „
13	26.835	20·20	80.2	8.79	81.2	.0325	.7278	18.45.4	B	5 12 „
14	27.247	20.12	80.7	8.79	81.3	.0311	.7278	18.45.7	B	6 12 „
15	27.795	20.29	80.9	8.69	81.2	.0340	.7267	18·44.9	B	7 12 „
16	27.384	20.57	80.9	8.69	81.3	.0386	·7267	18.44.2	B	8 12 „
17	26.698	20.91	81.0	8·63	81.7	.0441	.7260	18.43.3	C	9 12 „
18	25.189	20·99	81.2	8.61	82.0	.0454	.7258	18.43.1	C	10 12 „
19	24.846	21.29	80.8	8.59	81·6	.0504	.7256	18.42.4	C	11 12 „
20	23.130	21.14	80.5	8.55	81.0	.0479	.7252	18.42.5	C	Noon.
21	23.130	20.97	80.5	8.62	80.7	.0451	.7259	18.43.1	R	1 12 p. m.
22	23.953	21.26	80.8	8.68	80.9	.0499	.7266	18.42.7	R	2 12 „
23	24.983	21.03	81·0	8·73	81.0	.0461	.7271	18.43.4	R	3 12 „
JULY 2ND-Noon.	25.600	20.62	80.0	8.72	80.5	.0393	.7270	18.44.3	R	4 12 „
1	25.463	20.58	79.9	8.76	80.3	.0387	.7275	18.44.5	B	5 12 „
2	26.423	20.69	80.2	8.72	80.5	.0405	.7270	18.44.1	B	6 12 „
3	26.561	20·54	80·1	8.77	90.5	·0381	.7276	18.44.7	B	7 12 „
4	26.423	20.55	80.5	8.78	80.9	.0382	.7277	18.44.8	B	8 12 „
5	26.561	20.47	80.8	8.87	81.0	.0370	.7287	18.45.3	C	9 12 „
6	26.904	20·50	80.9	8.89	81.0	.0374	.7289	18.45.3	C	10 12 „
7	26.904	20.53	81.0	8.87	81.5	.0379	.7287	18.45.2	C	11 12 „
8	27.247	20.54	81.0	8.87	81.6	.0381	.7287	18.45.2	C	Midnight.
9	27.521	20·52	81.0	8.95	81.5	·0377	.7296	18.45.5	R	1 12 a. m.
10	27·521	20.55	81.0	8.78	81.6	.0382	.7277	18.44.8	R	2 12 „
11	27.315	20.50	81.1	8.80	81.6	.0374	.7279	18.44.9	R	3 12 „

On the 1st, at about 18h. 30m., Dip as obtained by Observation was 19°03'1.

DAILY OBSERVATIONS, FROM 2ND TO 4TH JULY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
July 2nd—12	27·590	20.48	81°0	8.67	81°6	8.0371	2.7265	18°44′4	R	4 12 a. m.
13	28.138	20.55	81.1	8.60	81.6	.0382	.7257	18.44.1	B	5 12 „
14	29.099	20.65	81.3	8.40	81.7	·0398	.7235	18.42.9	B	6 12 „
15	29.236	20·83	81.5	8.43	81.8	.0428	.7238	18.42.6	B	7 12 „
16	28·413	21.07	81.3	8.43	81.8	.0468	.7238	18·42.1	B	8 12 „
17	27·452	21.25	81.0	8.48	82.0	.0497	.7244	18.41.9	C	9 12 „
18	26.355	21.48	81.0	8.45	81.8	.0535	.7241	18.41.3	C	10 12 „
19	25.600	21.64	81·6	8.40	82.0	.0561	.7235	18.40.8	C	11 12 „
20	24.846	21.66	81.8	8.34	82.0	.0564	.7228	18.40.5	C	Noon.
21	24.226	21.46	82.0	8.44	82.1	.0532	.7239	18·41.3	R	1 12 p. m.
22	24.846	21.18	82.1	8.58	82.5	.0485	.7255	18.42.5	R	2 12 „
23	25.600	20.95	82.0	8.68	82.5	.0447	.7266	18.43.3	R	3 12 „
July 3rd-Noon.	26.286	20.96	82.0	8.62	82.4	.0449	.7259	18.43.1	R	4 12 „
1	26.904	20.65	82.1	8.63	82.5	.0398	.7260	18.43.8	B	5 12 „
2	27.178	20.57	82.0	8.60	82.5	.0386	.7257	18.43.9	B	6 12 „
3	27.727	20.62	81.9	8.63	82.5	.0393	.7260	18.43.9	B	7 12 „
4	27.384	20.54	81.9	8.70	82.5	.0381	.7268	18.44.4	B	8 12 „
5	27.384	20.56	81.9	8.70	82.6	.0384	.7268	18.44.4	C	9 12 „
6	27.727	20.56	81.9	8.68	82.5	.0384	.7266	18.44.3	C	10 12 „
7	27.727	20.54	81.9	8.67	82.4	.0381	.7265	18.44.3	C	11 12 „
8	27.864	20.54	81.9	8.72	82.5	.0381	.7270	18·44.5	C	Midnight.
9	28.207	20.51	81.8	8.67	82.2	.0376	.7265	18.44.3	R	1 12 a.m.
10	28.138	20.60	81.8	8.67	82.2	.0390	.7265	18.44.1	R	2 12 „
11	28.276	20.59	81.6	8.66	82.0	.0389	.7264	18.44.0	R	3 12 „
12	28.344	20.62	81.5	8.66	82.0	.0393	.7264	18.44.0	R	4 12 „
13	29.099	20.60	81.2	8.64	82.0	.0390	.7261	18.43.9	B	5 12 „
14	30.471	20.80	81.2	8.71	82.0	.0423	.7269	18.43.8	B	6 12 „
15	30.471	21.23	81.6	8.71	82.0	.0494	.7269	18.42.9	B	7 12. „
16	30.196	21.70	82.1	8.72	82.2	.0571	.7270	18.42.0	B	8 12 „
17	29.305	22.02	82.6	8.62	82.8	.0623	.7259	18.40.9	C	9 12 „
18	27.864	22.13	83.6	8.62	83.2	.0641	.7259	18.40.7	C	10 12 „
19	26.629	22.21	84·5	8.64	83.9	.0655	.7261	18.40.4	C	11 12 „
20	25.600	21.96	84.8	8.62	84.1	.0613	.7259	18.41.1	C	Noon.
21	25.737	21.74	85.0	8.59	84.7	.0578	.7256	18.41.5	R	1 12 p. m.
22	26.423	21.24	85.5	8.65	85.0	.0496	.7263	18.42.6	R	2 12 „
23	27.178	20.77	85.2	8.60	85.1	.0419	.7257	18.43.5	R	3 12 „
July 4th-Noon.	28.207	20.59	85.0	8.61	85.0	.0389	.7258	18.43.9	R	4 12 „
1	28.344	20.60	84.6	8.57	85.1	.0390	.7254	18.43.7	B	5 12 „
2	27.933	20.57	84.0	8.59	84.8	.0386	.7256	18.43.8	B	6 12 „
3	27.242	20.48	83.5	8.48	84.4	.0361	.7244	18.43.7	B	7 12 „
4	27.041	20.32	83.4	8.54	84.1	.0344	.7250	18.44.3	B	8 12 „
5	27.247	20.34	83.2	8.54	83.9	.0348	.7250	18.44.1	C	9 12 „
6	27.933	20.39	83.0	8.54	83.9	·0356	.7250	18.44.0	C	10 12 „
7	27.933	20.32	83.0	8.51	83.8	.0344	.7247	18.44.2	C	11 12 „
8	28.619	20.34	83.0	8.65	83.4	.0348	.7263	18.44.5	C	Midnight.
9	28.619	20.40	82.8	8.60	83.2	.0358	.7257	18.44.3	R	1 12 a. m.
10	28.550	20.34	82.7	8.59	83.0	.0348	.7256	18.44.3	R	2 12 „
11	28.756	20.38	82.5	8.59	83.0	.0354	.7256	18.44.4	R	3 12 „
12	28.756	20.35	82.5	8.69	83.0	.0349	.7267	18.44.7	R	4 12 „
13	29.785	20.40	82.2	8.64	82.9	.0358	.7261	18.44.3	B	5 12 „
14	29.991	20.59	82.2	8.61	82.9	.0389	.7258	18·43.9	B	6 12 „
15	30.344	20.76	82.5	8.54	82.9	.0417	.7250	18.43.2	B	7 12 „
16	29.853	21.03	82.9	8.09	83.0	.0461	.7201	18·40·7	B	8 12 „
17	29.305	21.39	83.5	7.91	83.5	.0520	.7181	18.39.1	C	9 12 „
18	26.904	21.60	84.0	7.76	83.9	.0554	.7165	18.38.1	C	10 12 „
19	25.943	21.71	84.3	7.62	80.1	.0573	.7149	18.37.3	C	11 12 „
20	25.669	21.70	85.2	7.36	84.8	.0571	.7121	18.36.2	C	Noon.
21	26.286	21.62	85.6	7.15	85.0	.0557	.7098	18.35.4	R	1 12 p. m.
22	27.247	21.24	85.5	7.06	85.3	.0496	.7088	18.35.8	R	2 12 „
23	27.933	20.74	85.5	7.01	85.7	.0414	.7082	18.36.7	R	3 12. „

On the 4th, at about 19h. 45m., Dip as obtained by Observation was 19°01′.9

DAILY OBSERVATIONS, FROM 5TH TO 8TH JULY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
JULY 5TH—Noon.	28·207	20.52	85°3	6.96	86°0	8.0377	2.7077	18°37·0	R	4 12 p.m.
1	25.986	20.50	84.8	6.92	85.6	·0374	.7072	18.37.8	B	5 12 „
2	26.186	20.47	84.2	6.90	85.1	.0370	.7070	18.37.8	B	6 12 „
3	25.856	20.45	83.6	6.89	84·8	.0366	.7069	18.36.7	B	7 12 „
4	26·045	20.36	83.5	6.86	84·5	.0351	.7066	18.36.8	B	8 12 „
5	26.176	20.34	83.3	6.78	84.3	.0348	.7057	18.36.6	C	9 12 „
6	26.256	20.38	83.2	6.82	84.0	.0354	.7061	18.36.6	C	10 12 „
7	26.796	20.31	83.1	6.70	84.0	.0343	·7048	18.36.4	C	11 12 „
8	26.866	20.34	83.1	6.72	84.0	.0348	.7052	18.36.3	C	Midnight.
9	27.136	20.37	83.0	6.72	84.0	.0353	.7050	18.36.3	R	1 12 a. m.
10	27·446	20.37	83.0	6.86	83.6	.0353	.7066	18.36.8	R	2 12 „
11	27.866	20·37	82.9	7.34	83.4	.0353	.7118	18.38.9	R	3 12 „
12	28.016	20.47	82.8	7.40	83.2	.0370	·7125	18.39.0	R	4 12 „
13	27.866	20.48	82.6	7.45	83.2	.0371	.7131	18.39.2	B	5 12 „
14	28.936	20·50	82.5	7.50	83.2	.0374	.7136	18.39.4	B	6 12 „
15	30.406	20.79	82.9	7.52	83.2	.0422	.7138	18.38.8	B	7.12 „
16	30.246	21.36	83.4	7.48	83.4	.0515	.7134	18.37.3	B	8 12 „
17	28.436	22.00	84.0	7.27	83,8	.0620	.7111	18.35.1	C	9 12 „
18	27.186	22.17	84.2	7.27	83.9	.0648	.7111	18.34.7	C	10 12 „
19	25.796	21.77	84.5	7.35	84.3	.0583	.7120	18.36.1	C	11 12 „
20	24.486	21.75	84.9	7.42	84.6	.0579	·7127	18.36.4	C	Noon.
21	24.476	21.55	85.0	7.45	85.0	.0546	.7131	18.36.8	R	1 12 p. m.
22	25.076	21.34	85.2	7.53	85.0	.0512	.7139	18.37.7	R	2 12 „
23	25.236	20.90	85.0	7.53	85·0	.0439	.7139	18.38.6	R	3 12 „
JULY 7TH—Noon.	26.026	20.62	84.6	7.51	85.3	.0393	.7137	18.39.2	B	4 12 „
1	25.986	20.62	84.5	7.51	85.2	.0393	.7137	18·39.2	B	5 12 „
2	25·936	20.65	84.1	7.50	85·1	.0398	.7136	18.39.0	B	6 12 „
3	25.856	20.56	83.8	7.50	84.6	.0384	.7136	18·39.3	B	7 12 „
4	25.786	20.38	83.5	7.49	84.5	.0354	.7135	18.39·6	B	8 12 „
5	26.326	20.32	83.2	7.51	84.4	.0344	.7137	18.39.9	C	9 12 „
6	26·516	20.26	83.0	7.46	84.0	.0335	·7132	18.39.6	C	10 12 „
7	26.426	20.22	83.0	7.42	83.9	.0328	.7127	18.39.6	C	11 12 „
8	26.755	20.36	83.0	7.41	83.8	.0351	.7126	18.39.2	C	Midnight.
9	26.975	20.44	83.0	7.41	83.5	.0365	.7126	18.39.0	R	1 12 a. m.
10	27.186	20.42	83.0	7.41	83.5	.0361	.7126	18.39.1	R	2 12 „
11	27.336	20.43	83.0	7.45	83.2	.0363	.7131	18.39.3	R	3 12 „
12	27.686	20.41	82.7	7.45	83.0	.0360	.7131	18.39.3	R	4 12 „
13	27.786	20.55	82.2	7.41	83.1	.0382	.7126	18.38.9	B	5 12 „
14	28.216	20·53	82.1	7.44	83.0	.0379	.7129	18.39.0	B	6 12 „
15	30·146	20.60	82.2	7.54	83.0	.0390	.7140	18.39·3	B	7 12 „
16	30.246	20.85	82.9	7.51	83.0	.0431	.7137	18.38.7	B	8 12 „
17	28.266	21.32	84.0	7.47	84.0	.0508	.7133	18.37.5	C	9 12 „
18	26.926	21.49	84.7	7·38	84.6	.0537	.7123	18.36.7	C	10 12 „
19	25.895	21.58	85.0	7.37	85.0	·0551	.7122	18.36.4	C	11 12 „
20	25.375	21.54	85·7	7.37	85.7	·0545	.7122	18.36.4	C	Noon.
21	25.405	21·47	86·0	7.28	86·0	.0534	.7112	18.36.3	R	1 12 p. m.
22	26.276	21.32	86.5	7.30	86.5	.0508	.7114	18.36.7	R	2 12 „
23	26.486	21.45	86.5	7.24	87.0	.0530	.7107	18.36.2	R	3 12 „
JULY 8TH—Noon.	26.966	21.13	86.3	7.21	87.0	.0477	.7104	18.36.7	R	4 12 „
1	28.317	20.90	85.6	7.20	86.6	.0439	.7103	18.37.2	B	5 12 „
2	25.989	20.82	84.9	7.14	86·2	.0426	.7096	18.37.0	B	6 12 „
3	25.989	20.70	84.2	7.12	85.5	.0407	.7094	18.37.2	B	7 12 „
4	25.853	20·62	84.1	7.15	85.1	.0393	.7098	18.36.6	B	8 12 „
5	26.263	20.66	84.0	7.15	85.0	.0400	.7098	18.37.5	C	9 12 „
6	26.126	20.68	83.8	7.15	84.9	.0403	.7090	18.37.2	C	10 12 „
7	26.606	20.73	83.6	7.18	84.7	.0412	.7101	18.37.5	C	11 12 „
8	26.948	20.64	83.3	7.19	84.4	.0397	·7102	18.37.6	C	Midnight.
9	26.674	20.76	83.1	7.22	84.0	.0417	.7105	18.37.5	R	1 12 a. m.
10	26.879	20.84	83.0	7.22	84·0	.0430	.7105	18.37.4	R	2 12 „
11	27.084	20.80	83.0	7.22	83.9	.0423	.7105	18.37.5	R	3 12 „

DAILY OBSERVATIONS, FROM 8TH TO 10TH JULY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
July 8th—12	27·358	20.80	82·8	7.26	83·7	8.0423	2.7110	18°37·7	R	4 12 a. m.
13	27.701	20.91	82.8	7.31	83.5	.0441	.7115	18.37.7	B	5 12 „
14	29.137	21.10	82.8	7.26	83.4	.0472	.7110	18.37.1	B	6 12 „
15	29.001	21.16	83.0	7.32	83.4	.0482	.7116	18.37.2	B	7 12 „
16	28.180	21.37	83.2	7.33	83.5	.0517	.7117	18.36.7	B	8 12 „
17	26.606	21·68	83.7	7.29	83.7	.0567	.7113	18.35.9	C	9 12 „
18	24.485	21.79	84.5	7·28	84.0	.0586	.7112	18.35.5	C	10 12 „
19	22.705	21.72	84.9	7.19	84.9	.0574	.7102	18.35.4	C	11 12 „
20	21.544	21.56	85.7	7.28	85·4	.0548	.7112	18.36.0	C	Noon
21	20.089	21.31	85.5	7.20	85.1	.0507	.7103	18.36.3	R	1 12 p. m.
22	22.774	21·00	85.2	7.16	85.4	.0456	.7099	18.36.7	R	2 12 „
23	24.279	20.96	85.0	7·16	85.3	.0449	.7099	18.36.8	R	3 12 „
July 9th—Noon.	25.305	20.66	85.0	7.20	85.0	.0400	.7103	18.37.7	R	4 12 „
1	25.442	20.11	84.8	7.20	85·1	.0310	.7103	18.38·9	B	5 12 „
2	25.442	19.82	84.5	7.20	84.9	.0269	.7103	18.39.4	B	6 12 „
3	25.647	19.61	84.0	7.14	84.7	.0230	.7096	18.39.6	B	7 12 „
4	25.921	19.60	83.7	7.19	84.5	.0228	.7102	18.39.8	B	8 12 „
5	25.784	20.13	83.5	7·17	84.2	.0313	.7100	18.38.8	C	9 12 „
6	25.100	20.21	83.4	7.20	84.0	.0327	.7103	18·38.6	C	10 12 „
7	26.332	19.99	83.3	7.22	83·9	.0295	.7105	18.39.1	C	11 12 „
8	26.674	19·91	83·3.	7·24	83.9	.0277	.7107	18.39.5	C	Midnight.
9	27·701	19.79	83.0	7.21	83.7	·0258	.7104	18.39.5	R	1 12 a. m.
10	27.358	20.29	83.0	7.31	83.6	.0340	.7115	18·39.0	R	2 12 „
11	27.769	20.39	83.0	7.31	83.5	·0356	.7115	18.38.7	R	3 12 „
12	27.290	20.39	83.0	7.31	83.5	.0356	.7115	18.38.7	R	4 12 „
13	27·975	20.44	82.8	7.31	83.5	·0365	.7115	18.38.6	B	5 12 „
14	29.001	20.54	82.8	7.32	83.4	.0381	.7116	18.38.5	B	6 12 „
15	29.343	20.95	83.0	7.36	83.3	.0447	.7121	18.37.7	B	7 12 „
16	28.727	21.07	83.5	7.35	83.4	.0468	.7120	18.37·5	B	8 12 „
17	27.084	21.30	84.0	7.34	84.0	.0505	.7118	18.36.9	C	9 12 „
18	25.237	21·43	84.6	7.31	84.3	.0527	.7115	18.36.5	C	10 12 „
19	23.047	21.49	84.5	7·22	84.0	.0537	.7105	18.36.0	C	11 12 „
20	21.815	21.58	84.8	6.38	84.0	.0551	.7013	18.32.2	C	Noon.
21	22.295	21.33	84.9	6.62	84.1	.0510	.7039	18.33.8	R	1 12 p. m.
22	23.252	20·85	85.0	6.89	84.5	.0431	.7069	18.35.9	R	2 12 „
23	24.621	20.90	85.0	7.14	84.6	.0439	.7096	18.36.9	R	3 12 „
July 10th—Noon.	26.332	20.81	85.0	7.16	84·7	·0425	.7099	18.37.1	R	4 12 „
1	27·016	20.78	84.6	7.14	84.5	.0420	.7096	18.37.1	B	5 12 „
2	26.811	20·68	84.3	7·08	84.4	.0403	.7090	18.37.2	B	6 12 „
3	25.237	20.71	84·0	6.98	84.2	.0409	.7079	18.36.6	B	7 12 „
4	24.963	20.67	83.5	7.04	84.0	.0402	.7085	18.37·0	B	8 12 „
5	25.784	20.51	83.1	7.12	83.9	.0376	.7094	18.37.6	C	9 12 „
6	26.674	20.10	83.0	7.16	83.6	.0308	·7099	18.38.7	C	10 12 „
7	27.084	20.42	83.0	7.51	83.5	.0361	.7137	18.39.6	C	11 12 „
8	27.769	20.19	82.9	7.50	83.3	.0323	.7136	18.40.0	C	Midnight.
9	27.563	20.07	82.8	7.49	83.0	.0304	.7135	18.40.3	R	1 12 a. m.
10	27.701	20.28	82.7	7.59	83.0	.0338	.7146	18.40.2	R	2 12 „
11	27.563	20.29	82.7	7.59	83.0	.0340	.7146	18·40.2	R	3 12 „
12	27.358	19.94	82.3	7.59	82.9	.0282	.7146	18.41.0	R	4 12 „
13	28.248	20.06	82.2	7.66	82.5	.0302	.7154	18.41.0	B	5 12 „
14	30.164	20.05	82.1	7.78	82.5	.0300	.7167	18.41.5	B	6 12 „
15	30.985	20.05	82.3	7.60	82.6	.0300	.7147	18.40.8	B	7 12 „
16	29.626	20.52	80.6	7.53	82.7	.0377	.7139	18.39.4	B	8 12 „
17	27.221	20.81	83.1	7·34	83.0	.0425	.7118	18.37.9	C	9 12 „
18	26.237	21.38	83.9	7.26	83.5	.0518	.7110	18.46.4	C	10 12 „
19	22.979	21.34	84.4	7.27	84.0	.0512	.7111	18.36.6	C	11 12 „
20	21.610	21.31	84.9	7.25	84.2	.0507	.7109	18.36.5	C	Noon.
21	21.268	21.15	85.3	7.33	85.0	.0480	.7117	18.37.0	R	1 12 p. m.
22	22.637	20.93	86.0	7.37	85.7	.0444	.7122	18.37.9	R	2 12 „
23	22.363	20.67	86.0	7.38	86.0	.0402	.7123	18.38.5	R	3 12 „

On the 8th, at about 19h. 20m., Dip as obtained by Observation was 19°06'9.

DAILY OBSERVATIONS, FROM 11TH TO 14TH JULY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
July 11th-Noon.	24'073	20.13	86°0	7.38	86°0	8.0313	2.7123	18°39'7	R	4 12 p. m.
1	24.895	20.07	85.5	7.38	85.9	.0304	.7123	18.39.8	B	5 12 "
2	26.537	20.13	85.1	7.31	85.3	.0313	.7115	18.39.4	B	6 12 "
3	26.948	19.80	84.5	7.21	85.3	.0259	.7104	18.39.5	B	7 12 "
4	26.195	19.56	84.2	7.10	84.9	.0220	.7092	18.39.5	B	8 12 "
5	26.742	19.57	84.0	7.23	84.9	.0222	.7106	18.40.1	C	9 12 "
6	26.126	19.85	83.9	7.24	84.5	.0267	.7107	18.39.1	C	10 12 "
7	26.537	20.07	83.7	7.25	84.3	.0304	.7109	18.39.2	C	11 12 "
8	26.674	20.10	83.5	7.30	84.0	.0308	.7114	18.39.3	C	Midnight.
9	26.469	20.05	83.0	7.32	84.0	.0300	.7116	18.39.5	R	1 12 a. m.
10	26.879	20.21	83.3	7.34	84.0	.0327	.7118	18.39.2	R	2 12 "
11	27.084	20.13	83.2	7.41	83.8	.0313	.7126	18.39.8	R	3 12 "
12	27.358	20.09	83.0	7.41	83.6	.0307	.7126	18.39.8	R	4 12 "
13	28.180	20.16	83.0	7.46	83.5	.0318	.7132	18.39.8	B	5 12 "
14	29.343	20.17	82.6	7.54	83.4	.0320	.7140	18.40.2	B	6 12 "
15	30.848	20.51	82.5	7.58	83.3	.0376	.7145	18.39.7	B	7 12 "
16	31.122	20.83	82.9	7.59	83.1	.0428	.7146	18.39.0	B	8 12 "
17	29.959	20.97	83.0	7.34	83.0	.0451	.7118	18.37.4	C	9 12 "
18	27.221	21.46	84.0	7.31	83.6	.0532	.7115	18.36.5	C	10 12 "
19	24.758	21.29	84.7	7.34	84.0	.0504	.7118	18.37.0	C	11 12 "
20	24.279	20.89	85.2	7.41	84.6	.0438	.7126	18.38.1	C	Noon.
21	24.621	20.81	85.5	7.45	85.0	.0425	.7131	18.38.4	R	1 12 p. m.
22	25.579	20.74	85.5	7.49	85.3	.0414	.7135	18.38.9	R	2 12 "
23	26.263	20.71	86.0	7.50	86.0	.0409	.7136	18.38.9	R	3 12 "
July 12th-Noon.	26.811	20.47	86.2	7.58	86.1	.0370	.7145	18.39.8	R	4 12 "
1	26.674	20.31	85.8	7.45	86.2	.0343	.7131	18.39.6	B	5 12 "
2	25.989	20.36	85.4	7.43	85.9	.0351	.7128	18.39.3	B	6 12 "
3	26.169	20.32	84.9	7.32	85.5	.0344	.7116	18.39.0	B	7 12 "
4	25.647	20.20	84.5	7.30	85.1	.0325	.7114	18.39.0	B	8 12 "
5	25.784	20.14	84.3	7.27	85.0	.0315	.7111	18.39.0	C	9 12 "
6	25.853	20.21	83.8	7.24	84.7	.0327	.7107	18.38.8	C	10 12 "
7	26.469	20.28	83.6	7.28	84.2	.0338	.7112	18.38.8	C	11 12 "
8	26.606	20.29	83.1	7.31	83.8	.0340	.7115	18.39.0	C	Midnight.
9	26.674	20.24	83.0	7.36	83.5	.0332	.7121	18.39.3	R	1 12 a. m.
10	27.016	20.19	82.6	7.34	83.0	.0323	.7118	18.39.3	R	2 12 "
11	26.742	20.20	82.2	7.39	83.0	.0325	.7124	18.39.4	R	3 12 "
12	26.674	20.31	82.0	7.39	83.0	.0345	.7124	18.39.3	R	4 12 "
13	27.084	20.42	81.6	7.38	82.6	.0361	.7123	18.39.0	B	5 12 "
14	28.590	20.59	81.6	7.46	82.6	.0389	.7132	18.38.9	B	6 12 "
15	29.069	20.67	81.8	7.44	82.5	.0402	.7129	18.38.7	B	7 12 "
16	28.043	20.90	81.9	7.39	82.4	.0439	.7124	18.38.0	B	8 12 "
17	27.495	21.30	82.5	7.33	82.9	.0505	.7117	18.37.9	C	9 12 "
18	26.332	21.43	83.2	7.19	83.0	.0527	.7102	18.35.9	C	10 12 "
19	25.032	21.49	84.0	7.14	83.1	.0537	.7096	18.35.6	C	11 12 "
20	24.416	21.46	84.5	7.21	83.6	.0532	.7104	18.36.0	C	Noon.
21	23.594	21.40	84.7	7.31	84.0	.0522	.7115	18.36.6	R	1 12 p. m.
22	23.184	21.17	84.0	7.40	84.0	.0484	.7125	18.37.6	R	2 12 "
23	23.936	20.88	83.7	7.48	83.8	.0436	.7134	18.38.4	R	3 12 "
July 14th-Noon.	25.989	20.67	82.0	8.69	82.2	.0386	.7267	18.44.2	B	4 12 "
1	26.058	20.43	81.8	8.69	82.2	.0363	.7267	18.44.6	B	5 12 "
2	25.921	20.32	81.6	8.62	82.2	.0344	.7259	18.44.6	B	6 12 "
3	25.784	20.25	81.4	8.52	82.2	.0333	.7248	18.44.3	B	7 12 "
4	25.442	20.21	81.4	8.54	82.1	.0327	.7250	18.44.4	B	8 12 "
5	25.647	20.17	81.4	8.52	82.2	.0320	.7248	18.44.4	C	9 12 "
6	25.784	20.15	81.3	8.56	82.0	.0316	.7253	18.44.6	C	10 12 "
7	26.400	19.92	81.1	8.63	81.9	.0278	.7260	18.45.4	C	11 12 "
8	26.332	20.28	80.9	8.69	81.6	.0338	.7267	18.44.9	C	Midnight.
9	27.016	20.04	80.6	8.73	81.0	.0299	.7271	18.45.5	R	1 12 a. m.
10	27.358	19.92	80.4	8.88	80.9	.0278	.7288	18.46.5	R	2 12 "
11	27.495	20.02	80.2	8.91.	81.0	.0295	.7291	18.46.3	R	3 12 "

On the 11th, at about 19h. 15m., Dip as obtained by Observation was 19°07'5.
On the 12th, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 14TH TO 16TH JULY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
July 14th—12	27·495	20.05	80°0	8.82	80°6	8.0300	2.7281	18°45'9	R	4 12 a. m.
13	27.701	20.07	80·1	8.90	80.5	.0304	.7290	18.46.3	B	5 12 „
14	28.864	20.08	80.4	8.97	80.5	.0305	.7298	18.46.5	B	6 12 „
15	28.932	20.30	80.5	8.98	80.9	.0341	.7299	18.46.1	B	7 12 „
16	27.906	20.75	80.8	8.88	81.1	·0415	.7288	18.44.6	B	8 12 „
17	26.879	21.17	81.3	8.79	81.7	.0484	.7278	18.43.5	C	9 12 „
18	26.126	21.37	81.5	8.82	81.9	.0517	.7281	18.43.0	C	10 12 „
19	23·936	21.48	81.8	8.76	82·0	.0535	.7275	18.42.5	C	11 12 „
20	22.979	21.27	81·4	8.93	81.6	.0501	.7293	18.43.7	C	Noon.
21	22.157	21.23	81.0	8.94	81.2	.0494	.7294	18.43.9	R	1 12 p.m.
22	21.747	21.01	80·7	9.03	81.0	.0458	.7304	18·44.7	R	2 12 „
23	22.900	20.81	80·6	9.23	81.0	.0425	.7325	18.46.0	R	3 12 „
July 15th-Noon.	24.279	20.61	80.5	9·43	80.9	.0392	.7348	18.47·4	R	4 12 „
1	25.305	20.54	80.7	9.68	81.1	.0381	.7376	18.48.6	B	5 12 „
2	26.195	20.33	80.6	9.53	81.0	.0346	·7359	18·48.3	B	6 12 „
3	25.442	20.29	80.6	9.53	81.0	.0340	.7359	18.48.5	B	7 12 „
4	25.647	20.28	80.5	9.52	80.7	.0338	.7358	18·48.5	B	8 12 „
5	25.853	20.24	80.3	9.52	80·7	.0332	.7358	18.48·6	C	9 12 „
6	26.606	20.20	80.0	9.55	80.4	.0325	·7362	18.48.6	C	10 12 „
7	26.879	20.23	79.8	9.55	80.2	.0330	.7362	18.48.6	C	11 12 „
8	26.332	20.20	79.8	9·51	80.2	.0325	.7357	18·48·6	C	Midnight.
9	26.537	20.25	80.0	9.56	80.2	·0333	·7363	18.48.7	R	1 12 a. m.
10	26.879	20.16	79.5	9.55	80.0	·0318	.7362	18·48.7	R	2 12 „
11	26.537	20.32	79.7	10.00	80.0	.0344	.7411	18.50·5	R	3 12 „
12	26.811	20.36	79.5	10.00	79.9	.0351	.7411	18.50·3	R	4 12 „
13	27.221	20.40	80.1	10.00	80.1	.0358	.7411	18.50·2	B	5 12 „
14	28.659	20.40	80.3	10.04	80.4	.0358	.7415	18.50·4	B	6 12 „
15	29.137	20·48	80.4	10.26	80.6	.0371	.7440	18.51.3	B	7 12 „
16	28.864	20.67	80.5	10.17	80.6	.0402	.7431	18.30 3	B	8 12 „
17	27.701	21.05	80.9	10.02	80.8	·0464	.7413	18.49.0	C	9 12 „
18	25.921	21.20	81·3	9.92	81.4	·0489	.7402	18.48.1	C	10 12 „
19	24.279	21.01	82.0	10.01	82.0	.0458	.7412	18.48.9	C	11 12 „
20	24.758	20.95	82.8	10.03	82.6	.0447	.7414	18·49·1	C	Noon.
21	24.279	20.92	83.5	9.84	83.0	.0444	.7393	18·48.5	R	1 12 p.m.
22	24.279	20.60	82.7	9.71	83.0	.0390	.7379	18.48.5	R	2 12 „
23	25.169	20.41	81·7	9.67	82.2	.0360	·7375	18.48·8	R	3 12 „
July 16th-Noon.	25.579	20·50	82.0	9.67	82.3	.0374	.7375	18.48.7	R	4 12 „
1	25.716	20.49	82.0	9·62	82.2	.0373	.7369	18.48.4	B	5 12 „
2	25.374	20.46	81·6	9.55	82.2	.0368	·7362	18.48.1	B	6 12 „
3	25.237	20.35	81.5	9.51	82·1	.0349	.7357	18.48.3	B	7 12 „
4	25.442	20.31	81·3	9.46	82.0	·0343	.7352	18.48.2	B	8 12 „
5	25.921	20·11	80.9	9.49	81.6	.0310	.7355	18.48.8	C	9 12 „
6	25.784	20.23	81·0	9.50	81·6	.0330	.7356	18.43·5	C	10 12 „
7	25.921	20.26	81.0	9.43	81·6	.0335	.7348	19.48·1	C	11 12 „
8	26.058	20·33	81.0	9.43	81.7	.0346	.7348	18.47.9	C	Midnight.
9	26·126	20.38	81.0	9.05	81.6	.0354	.7307	18.46.3	R	1 12 a. m.
10	26·400	20.23	80.9	8.99	81.4	.0331	.7300	18.46.3	R	2 12 „
11	26.674	20.31	80·9	8.94	81.3	.0353	.7294	18.45.7	R	3 12 „
12	26.332	20.41	81.0	8.93	81.0	.0360	.7293	18.45.6	R	4 12 „
13	26·674	20·37	80.9	8.88	81.0	.0353	.7288	18.45.5	B	5 12 „
14	27.975	20.34	81.0	8.91	80.9	.0348	.7291	18.45.6	B	6 12 „
15	28,453	20.41	81.1	8.90	81.3	.0360	.7290	18.45.5	B	7 12 „
16	28·385	20.64	81 3	8.80	81.5	.0397	.7279	18.44.5	B	8 12 „
17	27.084	21.02	81.7	8.65	81.8	.0459	.7263	18.43.1	C	9 12 „
18	26·195	21.16	82.0	8.52	82.0	.0482	·7248	18.42.4	C	10 12 „
19	24.621	21·27	82.0	8.57	82.2	.0501	.7254	18.42.3	C	11 12 „
20	24.142	21.32	82.5	8.48	82.5	.0508	.7244	18·41.8	C	Noon.
21	24.279	21.16	82·7	8.49	82.9	·0482	.7245	18.42·3	R	1 12 p.m.
22	25·511	21.02	82.5	8.49	82.9	.0459	.7245	18.42.5	R	2 12 „
23	25.716	20.91	82.0	8.48	82.7	.0441	.7244	18·42.7	R	3 12 „

On the 15th, at about 19h. 30m., Dip as obtained by Observation was 19°05'6.

DAILY OBSERVATIONS, FROM 17TH TO 19TH JULY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
July 17th-Noon.	26·263	20.70	82°0	8.48	82°6	8.0407	2.7244	18°43′1	R	4 12 p. m.
1	26.879	20.52	82.0	8.53	82.5	.0377	.7249	18.43.7	B	5 12 „
2	26.263	20.42	81.6	8.42	82.3	.0361	.7237	18.43.5	B	6 12 „
3	25.647	20.14	81.5	8.32	82.3	.0315	.7226	18.43.5	B	7 12 „
4	25.921	20.18	80.6	8.27	81.6	.0321	.7221	18.43.3	B	8 12 „
5	25.647	20.33	81.0	8.29	81.5	.0346	.7223	18.43.0	C	9 12 „
6	25.647	20.24	80.7	8.31	81.4	.0332	.7225	18.43.4	C	10 12 „
7	25.989	20.23	80.7	8.29	81.3	.0330	.7223	18.43.3	C	11 12 „
8	25.784	20.10	80.5	8.27	81.1	.0308	.7221	18.43.5	C	Midnight.
9	26.195	20.19	80.2	8.25	80.9	.0323	.7219	18.43.2	R	1 12 a. m.
10	26.126	20.13	79.6	8.30	80.0	.0313	.7224	18.43.6	R	2 12 „
11	26.332	20.31	79.8	8.30	80.0	.0343	.7224	18.43.2	R	3 12 „
12	26.332	20.07	79.0	8.29	79.6	.0304	.7223	18.43.7	R	4 12 „
13	26.469	20.38	79.5	8.34	79.8	.0354	.7228	18.43.2	B	5 12 „
14	27.426	20.43	79.9	8.35	79.9	.0363	.7230	18.43.2	B	6 12 „
15	27.906	20.53	79.9	8.35	80.0	.0379	.7230	18.43.0	B	7 12 „
16	27.906	20.68	80.1	8.33	80.3	.0403	.7227	18.42.6	B	8 12 „
17	26.811	21.00	80.3	8.23	80.4	.0456	.7216	18.41.3	C	9 12 „
18	25.237	21.36	80.9	8.24	80.8	.0515	.7217	18.40.6	C	10 12 „
19	24.827	21.34	81.0	8.22	80.8	.0512	.7215	18.40.7	C	11 12 „
20	24.276	21.48	81.3	8.18	80.9	.0535	.7211	18.40.1	C	Noon.
21	24.621	21.16	81.0	8.33	81.0	.0482	.7227	18.41.6	R	1 12 p. m.
22	24.827	20.96	81.0	8.33	81.0	.0449	.7227	18.41.9	R	2 12 „
23	25.784	20.84	80.2	8.33	80.5	.0430	.7227	18.42.2	R	3 12 „
July 18th-Noon.	26.195	20.85	79.6	8.30	80.0	.0431	.7224	18.43.0	R	4 12 „
1	25.784	20.62	79.2	8.30	80.0	.0395	.7224	18.42.4	B	5 12 „
2	25.169	20.58	79.2	8.28	79.9	.0387	.7222	18.42.4	B	6 12 „
3	24.485	20.64	79.4	8.30	79.9	.0397	.7224	18.42.4	B	7 12 „
4	25.100	20.34	79.4	8.27	79.8	.0348	.7221	18.42.9	B	8 12 „
5	25.169	20.22	79.0	8.29	79.6	.0328	.7223	18.43.3	C	9 12 „
6	25.169	20.32	79.0	8.21	79.6	.0344	.7214	18.42.8	C	10 12 „
7	25.374	20.42	79.0	8.19	79.6	.0361	.7213	18.42.5	C	11 12 „
8	25.511	20.36	79.2	8.16	79.7	.0351	.7209	18.42.4	C	Midnight.
9	25.989	20.45	79.6	8.13	79.5	.0366	.7205	18.42.1	R	1 12 a. m.
10	25.647	20.33	79.2	8.13	79.5	.0346	.7205	18.42.3	R	2 12 „
11	25.989	20.22	79.0	7.98	79.4	.0328	.7189	18.41.9	R	3 12 „
12	26.195	20.44	79.0	8.13	79.2	.0365	.7205	18.42.1	R	4 12 „
13	27.084	20.31	79.0	8.13	79.3	.0343	.7205	18.42.5	B	5 12 „
14	29.001	20.45	79.1	8.16	79.3	.0366	.7209	18.42.2	B	6 12 „
15	28.932	20.59	79.1	8.13	79.4	.0389	.7205	18.41.8	B	7 12 „
16	28.180	20.74	79.6	8.09	79.6	.0414	.7201	18.41.4	B	8 12 „
17	26.537	21.07	80.2	8.00	80.0	.0468	.7191	18.40.2	C	9 12 „
18	25.647	21.26	80.3	7.96	80.3	.0499	.7187	18.39.7	C	10 12 „
19	24.553	21.39	80.5	8.04	80.6	.0520	.7195	18.39.7	C	11 12 „
20	24.142	21.30	80.7	8.18	80.7	.0505	.7211	18.40.5	C	Noon.
21	24.621	21.14	80.7	8.23	81.0	.0479	.7216	18.41.1	R	1 12 p. m.
22	24.348	21.04	80.7	8.33	81.0	.0463	.7227	18.41.8	R	2 12 „
23	24.963	20.79	80.0	8.31	80.4	.0422	.7225	18.42.2	R	3 12 „
July 19th-Noon.	25.989	20.65	80.0	8.40	80.0	.0394	.7235	18.42.9	R	4 12 „
1	26.195	20.53	80.1	8.41	80.3	.0379	.7236	18.43.2	B	5 12 „
2	26.537	20.29	79.5	8.35	80.0	.0340	.7230	18.43.5	B	6 12 „
3	25.442	20.28	79.2	8.33	79.6	.0338	.7227	18.43.4	B	7 12 „
4	25.442	20.27	79.4	8.37	79.8	.0337	.7231	18.43.5	B	8 12 „
5	25.579	20.09	79.1	8.39	79.5	.0307	.7234	18.44.0	C	9 12 „
6	25.579	20.28	79.5	8.39	79.8	.0338	.7234	18.43.6	C	10 12 „
7	25.647	20.31	79.5	8.35	80.0	.0343	.7230	18.43.5	C	11 12 „
8	25.647	20.24	79.4	8.32	80.0	.0332	.7226	18.43.4	C	Midnight.
9	25.647	20.23	79.2	8.29	79.8	.0330	.7223	18.43.3	R	1 12 a. m.
10	25.989	20.22	79.0	8.29	79.5	.0328	.7223	18.43.3	R	2 12 „
11	25.647	20.26	79.2	8.24	79.5	.0335	.7217	18.43.0	R	3 12 „

On the 18th, at about 19h. 45m., Dip as obtained by Observation was 19°07′5.

DAILY OBSERVATIONS, FROM 19TH TO 22ND JULY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
JULY 19TH—12	25·921	20.33	79°4	8.19	79°7	8.0354	2.7212	18°42′5	R	4 12 a. m.
13	26.400	20.31	78.9	8.17	79·5	.0343	.7210	18.42.7	B	5 12 „
14	27.769	20.52	79·1	8.21	79.6	.0377	.7214	18.42·3	B	6 12 „
15	27.838	20.71	79.3	8.25	79.6	.0409	.7219	18.42·1	B	7 12 „
16	27.290	21.00	79.8	8.22	79·9	.0456	.7215	18·41.3	B	8 12 „
17	25.989	21.30	80.0	8·17	80.0	.0505	.7210	18.40.5	C	9 12 „
18	24.553	21.63	80.6	8.01	80.4	.0559	.7192	18·39.0	C	10 12 „
19	23.936	21·94	80.9	8.26	80.6	.0610	.7220	18.39.6	C	11 12 „
20	23.936	21·95	81.4	8.28	81.0	.0611	.7222	18.39.6	C	Noon.
21	24.279	21.82	81·4	8.33	81.0	.0590	.7227	18.40.1	R	1 12 p. m.
22	24.758	21.58	81.6	8.23	81.0	.0551	.7216	18.40.1	R	2 12 „
23	25·305	21.18	81.0	8.13	81.0	.0485	.7205	18.40.5	R	3 12 „
JULY 21ST-Noon.	28.453	20.11	82.6	7.97	83.1	.0310	.7188	18.42.2	B	4 12 „
1	27.358	20.05	82.1	7.94	83.0	·0300	.7184	18.42.1	B	5 12 „
2	26.332	19.85	81.9	7·98	82.7	·0267	.7189	18.42.7	B	6 12 „
3	25.921	19·88	81.5	8.02	82.3	.0272	.7193	18.42.9	B	7 12 „
4	25.305	19.97	81·3	8.18	82·1	.0287	.7200	18.42.9	B	8 12 „
5	25.579	20.05	81.2	8.28	82.0	.0300	.7222	18.43.6	C	9 12 „
6	25.579	20.02	81.1	8.36	82.0	.0295	.7231	18.44.0	C	10 12 „
7	25.921	19.95	81.1	8·40	82.0	.0283	.7235	18.44·5	C	11 12 „
8	25.921	20.08	81.0	8.66	82.0	.0305	.7264	18·45.1	C	Midnight.
9	26.332	20·03	81.0	9.85	81.7	.0297	.7395	18.50.4	R	1 12 a. m.
10	26.332	20·08	81.0	9.75	81.5	·0305	.7384	18.49.8	R	2 12 „
11	26.195	20.07	80.8	9·84	81.2	·0304	.7393	18.50.3	R	3 12 „
12	26·332	20.12	80.8	9.78	81.0	.0310	.7387	18.50.0	R	4 12 „
13	26.469	20.22	80.5	9.81	81.1	.0328	.7390	18.49.9	B	5 12 „
14	27.563	20.31	80.7	9.98	81.1	.0343	.7409	18.50.4	B	6 12 „
15	27.906	20.42	80.9	10·01	81.0	.0361	.7412	18.50.2	B	7 12 „
16	27·701	20·62	80.6	10.23	81.0	·0393	.7414	18·49·9	B	8 12 „
17	26.811	21.03	80.9	10.26	81.2	.0461	.7440	18.50.1	C	9 12 „
18	25.989	21.45	81.5	10.21	81·6	.0513	.7436	18.49.3	C	10 12 „
19	24.416	21.51	81.9	10.21	82·0	.0540	.7434	18.48·8	C	11 12 „
20	23.936	21.46	82.1	10.01	82·3	.0532	.7412	18.48.0	C	Noon.
21	24.005	21.11	82.0	10.17	82.3	.0474	.7430	18.49.6	R	1 12 p. m.
22	24.827	20.84	82.0	10.12	82.3	.0430	.7424	18.49.8	R	2 12 „
23	25.305	20.51	81.7	10·11	82.0	.0376	.7423	18.50.5	R	3 12 „
JULY 22ND-Noon.	25.989	20.30	81.3	10.12	81.9	·0341	.7424	18.51.0	R	4 12 „
1	26.400	20.28	81.1	10.10	81.6	.0338	.7422	18·50.9	B	5 12 „
2	25.989	20.29	81.0	10·05	81.6	.0340	.7417	18.50·8	B	6 12 „
3	24.485	20.41	80.9	10.10	81.6	.0360	.7422	18.50.6	B	7 12 „
4	25.100	20.29	80.8	10.14	81.4	.0340	.7426	18.51.1	B	8 12 „
5	25.100	20.18	80·8	10.16	81.4	·0321	.7429	18.51.4	C	9 12 „
6	25.442	20.14	80.8	10.16	81.2	.0315	.7429	18.51.4	C	10 12 „
7	25·989	19.94	80.8	10.17	81.0	.0282	.7430	18.52.1	C	11 12 „
8	25.989	20.08	80.8	10.18	81.1	.0305	.7431	18.51.7	C	Midnight.
9	26.058	20.23	80·8	10.12	81.0	.0330	.7425	18.51.2	R	1 12 a. m.
10	25.989	20.23	80.7	10·13	81.0	.0330	.7425	18.51.2	R	2 12 „
11	25.784	20.41	80.6	10·13	81.0	.0360	·7425	18.50.8	R	3 12 „
12	25.853	20.29	80.5	10·13	81.0	.0340	.7425	18.51.1	R	4 12 „
13	26.332	20.26	80.4	10.18	81.0	.0335	.7431	18.51.3	B	5 12 „
14	27.290	20.30	80.5	10.18	81.0	.0341	.7431	18.51.3	B	6 12 „
15	27.769	20.50	80.5	10.15	81.0	.0374	.7428	18.50·8	B	7 12 „
16	27.632	20.73	80.5	10.17	81.0	.0412	.7430	18.50.4	B	8 12 „
17	26.058	21.04	80.9	9.99	81.2	.0463	.7410	18.49.3	C	9 12 „
18	24.348	21.36	81.0	9·94	81.2	.0515	.7404	18.47.8	C	10 12 „
19	23·663	21.42	81.5	10.15	81.6	.0525	.7422	18.48.4	C	11 12 „
20	23.047	21.38	81.9	10.18	82.0	.0518	.7431	18.48.9	C	Noon.
21	23.047	21.15	82.2	10·16	82.1	.0480	.7429	18.49.4	R	1 12 p. m.
22	23.252	20·82	82.2	10.17	82.3	.0426	.7430	18.50.1	R	2 12 „
23	24.963	20·51	82.0	10.23	82.4	.0376	.7436	18.51.0	R	3 12 „

On the 22nd, at about 19h. 40m., Dip as obtained by Observation was 19°09′4.

DAILY OBSERVATIONS, FROM 23RD TO 25TH JULY 1861.

DATE. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1861.
h.										h. m.
JULY 23RD-Noon.	25·989	20.42	82·0	10.23	82·0	8.0361	2.7436	18°51′·2	R	4 12 p. m.
1	26.879	20.07	81.0	10.11	81.9	.0304	.7423	18.51.5	B	5 12 „
2	27.495	19·81	80.3	10.08	81.0	.0261	.7420	18.51.9	B	6 12 „
3	25·784	20.01	79.5	10.06	80.3	.0294	.7418	18.51.4	B	7 12 „
4	25·511	20.33	80.0	10.07	80.5	.0346	.7419	18.50.6	B	8 12 „
5	24.963	20.43	79.6	10.05	80.0	.0363	.7417	18.50.5	C	9 12 „
6	25.305	20.45	79.2	10.00	80.0	.0366	.7411	18.50.1	C	10 12 „
7	25.305	20.43	79.9	9.94	80.1	.0363	.7404	18.49.9	C	11 12 „
8	25.647	20.33	79.9	10.03	80.3	.0346	.7414	18.50.4	C	Midnight.
9	25.647	20.35	80.0	10.10	80.0	.0349	.7422	18·50·7	R	1 12 a. m.
10	25.853	20.32	80.0	10.20	80.1	.0344	.7433	18.51.4	R	2 12 „
11	25.853	20.28	80.0	10.22	80·5	.0338	.7435	18.51.5	R	3 12 „
12	25.716	20.36	79.9	10.20	80.0	.0351	.7433	18.50·2	R	4 12 „
13	26.469	20·31	80.0	10.26	80.4	.0343	.7440	18.51.7	B	5 12 „
14	28.180	20.32	80.1	10.25	80.4	.0344	.7439	18.51.6	B	6 12 „
15	29·206	20.45	80.2	10.27	80.5	.0366	.7441	18.51.3	B	7 12 „
16	28·727	20.68	80·6	10.27	80.8	.0403	.7441	18.50.9	B	8 12 „
17	27.153	21.07	81.5	10.18	81·1	.0468	.7431	18.49.6	C	9 12 „
18	25.032	21.48	81.4	10.09	81.3	.0535	.7421	18·48.3	C	10 12 „
19	22.910	21.67	82.3	10.06	82.0	.0550	.7418	18.48.0	C	11 12 „
20	22.089	21.58	83.0	10.16	82.5	.0551	.7429	18.48.4	C	Noon.
21	22.705	21.35	83.7	10·09	83.0	.0513	.7421	18.48.7	R	1 12 p. m.
22	23.594	21·08	83.8	10.13	83.5	.0469	.7425	18.49.4	R	2 12 „
23	24.485	20.80	84.0	10.12	84.0	.0423	.7424	18.49.9	R	3 12 „
JULY 24TH-Noon.	25.305	20.66	83.6	10.08	84.0	.0400	.7420	18.50.1	R	4 12 „
1	26.126	20.47	83.1	10·07	83·6	·0370	.7419	18·50.4	B	5 12 „
2	26.263	20.40	82.5	9.98	83.2	.0358	.7407	18.50.1	B	6 12 „
3	25.989	20.27	82.0	9.94	83·0	.0337	.7404	18.50.2	B	7 12 „
4	25.853	20.08	81.6	9.96	82.5	.0305	.7407	18.50.8	B	8 12 „
5	25.716	20.17	81.5	9.87	82.4	.0320	.7397	18.50.2	C	9 12 „
6	25.647	20.15	81.4	10.03	82.4	.0316	.7417	18.51.0	C	10 12 „
7	25·716	20.08	81.3	10·12	82.2	.0305	.7424	18.51.4	C	11 12 „
8	25.716	20·04	81.2	10.11	82.0	.0299	.7423	18·51.5	C	Midnight.
9	25.853	19.95	81.1	10.09	81·7	.0283	.7424	18.51.7	R	1 12 a. m.
10	26·469	19·78	81.0	10.15	81.6	.0256	·7428	18.52.2	R	2 12 „
11	26.263	20.05	81.0	10.15	81.6	.0300	.7428	18.51.7	B	3 12 „
12	26.400	20.21	81.0	10.17	81.6	.0327	.7430	18.51.4	B	4 12 „
13	26.195	20·01	80.9	10.17	81.3	.0294	.7430	18.51.9	C	5 12 „
14	28.043	20.33	80.9	10.18	81.2	.0346	.7431	18.51.1	C	6 12 „
15	28.590	20.18	81.0	10.14	81.3	.0321	.7426	18·51.3	R	7 12 „
16	28.453	20.30	81.4	10.15	81.7	.0341	·7428	18.51.2	R	8 12 „
17	27.084	20.39	81.9	10·10	81.8	.0356	.7422	18.50.6	B	9 12 „
18	25.989	20·85	82.4	10.18	82.1	.0431	.7431	18.50.1	B	10 12 „
19	25.511	20.77	83.0	10.20	83·0	.0419	.7433	18.50.3	C	11 12 „
20	24.416	20.59	83.9	10.15	83.3	.0389	.7428	18.50.5	C	Noon.
21	24.279	20.77	84.0	10.13	83.7	.0419	.7425	18.50.0	R	1 12 p. m.
22	24.895	20.76	84.5	10.12	84.0	.0417	.7424	18.49.9	R	2 12 „
23	25.169	20.63	84·0	10·12	84.0	.0395	.7424	18.50.0	B	3 12 „
JULY 25TH-Noon.	25.716	20.45	84.0	10.12	84.0	·0366	.7424	18.50.6	B	4 12 „
1	25.989	20.27	83.5	10.11	83.7	.0337	.7423	18.51.0	C	5 12 „
2	26.606	20.11	83.0	10.08	83.3	.0310	.7420	18.51.3	C	6 12 „
3	25.716	20·01	82·5	10.00	83.0	·0294	.7411	18.51.1	R	7 12 „
4	25.374	19.85	82.2	9.99	83.0	.0267	.7410	18.51.4	R	8 12 „
5	25.579	19.92	82.1	10.03	82.8	.0278	.7414	18.51.4	B	9 12 „
6	25.716	20·16	82.0	10.06	82.6	.0318	.7418	18.51.0	B	10 12 „
7	25.647	20.33	82.0	10.06	82.5	.0346	.7418	18.50.6	C	11 12 „
8	25.579	20.23	81.8	10.04	82.2	.0330	.7415	18.50.8	C	Midnight.
9	26.195	20·11	81.8	10.02	82.0	·0310	.7413	18.51.0	R	1 12 a. m.
10	26·126	20.02	81.6	10.02	82.0	.0295	.7413	18.51.1	R	2 12 „
11	26.126	20.07	81.5	10.02	82.0	.0304	.7413	18.51.1	R	3 12 „

DAILY OBSERVATIONS, FROM 25TH TO 28TH JULY 1861.

DATE. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1861.
h.										h. m.
JULY 25TH—12	26·332	20.12	81°2	10.04	82°0	8.0310	2.7415	18°51′1	R	4 12 a. m.
13	26.400	20.10	81.2	10.11	81.9	.0308	.7423	18.51.4	B	5 12 „
14	27.769	20.20	81.1	10.07	81.8	·0325	.7419	18.50.9	B	6 12 „
15	28.248	20·31	81.1	10.05	81.6	.0343	.7417	18.50.8	B	7 12 „
16	27·975	20.63	81.3	10.05	81.6	.0395	.7417	18·50.0	B	8 12 „
17	25·784	20.97	81.8	10.06	82.0	.0451	.7418	18.49.3	C	9 12 „
18	23.731	21.20	82.0	10.01	82.1	.0489	.7412	18.48.5	C	10 12 „
19	22.705	21.26	82·9	10.07	82.4	.0499	.7419	18.48.7	C	11 12 „
20	22.020	21.23	83.1	10.13	82.9	.0494	.7425	18.49.1	C	Noon.
21	22.568	20.90	82.5	9.98	82.6	.0439	.7407	18·49.1	R	1 12 p. m.
22	23.389	20.62	82.7	9.98	82.7	.0393	·7407	18.49.7	R	2 12 „
23	24.621	20.34	83.0	10.07	83.0	.0348	.7419	18.50.6	R	3 12 „
JULY 26TH-Noon.	25.305	20.11	82.5	9.99	83.0	.0310	.7410	18.50.9	R	4 12 „
1	25.853	20.23	82.5	9.99	82.9	.0330	.7410	18.50.6	B	5 12 „
2	25.716	20.27	82.4	9.97	82.9	.0337	.7408	18.50.4	B	6 12 „
3	25.305	20.33	82.2	9.93	82.5	.0346	.7403	18.50.0	B	7 12 „
4	25.169	20.28	81.6	9.96	82.5	.0338	.7407	18.50.4	B	8 12 „
5	25.032	20.18	81.6	9.92	82.2	.0321	.7402	18.50.3	C	9 12 „
6	25.305	20.22	81.5	9.91	82.0	.0328	.7401	18.50.2	C	10 12 „
7	25.305	20.23	81.3	9.96	82.0	.0330	.7407	18.50.5	C	11 12 „
8	25.579	20.27	81.1	9.96	82.0	.0337	.7407	18·50.4	C	Midnight.
9	25.442	20.23	81.0	9.98	81.7	.0330	.7409	18.50.5	R	1 12 a.m.
10	25.647	20.28	81.0	9.99	81.5	.0338	.7410	18.50.5	R	2 12 „
11	25.647	20.39	81.0	9.99	81.5	.0356	.7410	18.50.2	R	3 12 „
12	26.332	20.38	81.0	9.98	81.4	.0354	.7409	18.50.2	R	4 12 „
13	27.084	20.56	80.9	9.99	81.4	.0384	.7410	18.50.0	B	5 12 „
14	27.975	20.60	80.9	10.04	81.4	.0390	.7415	18.50.0	B	6 12 „
15	28.659	20.67	81.0	10.06	81.3	.0402	.7418	18.50.0	B	7 12 „
16	28.590	21.06	81.5	10.07	81.5	.0466	.7419	18.49.1	B	8 12 „
17	27.563	21.44	82.0	10.06	82.0	.0529	.7418	18.48.3	C	9 12 „
18	26.332	21.83	82.9	10.07	82.4	.0592	.7419	18.47.5	C	10 12 „
19	25.169	21.65	82·9	10.03	82.5	.0562	.7414	18.46.7	C	11 12 „
20	24.690	21.46	83.5	10.13	83.0	.0532	.7425	18.48.6	C	Noon.
21	24.827	21.47	84.0	10.10	83.4	.0534	.7422	18.48.4	R	1 12 p. m.
22	24.621	21.12	84.5	10.06	84.0	.0475	.7418	18.49.0	R	2 12 „
23	25.169	20.93	84.4	10.04	84.0	.0444	.7415	18.49.4	R	3 12 „
JULY 28TH-Noon.	24.895	20.98	84.0	9.98	84.4	.0452	.7409	18.48.9	B	4 12 „
1	25.442	20.63	83.6	9.99	84.2	.0395	.7410	18.49.7	B	5 12 „
2	25.511	20 47	83.2	9.94	84.0	.0370	.7404	18.49.8	B	6 12 „
3	25.305	20.38	82.6	9.91	83.5	.0354	.7401	18.49.9	B	7 12 „
4	25.237	20.24	82.5	9.95	83.2	.0332	.7406	18.50.4	B	8 12 „
5	25.305	20.26	82.2	9.94	83.0	.0335	.7404	18.50.2	C	9 12 „
6	25.305	20.26	82.0	9.93	82.9	.0335	.7403	18.50.2	C	10 12 „
7	25.647	20.36	82.0	9.90	82.7	.0351	.7400	18.49.9	C	11 12 „
8	25.647	20.42	81.9	9.96	82.5	.0361	.7407	18.50.1	C	Midnight.
9	25.784	20.39	81.7	9.96	82.1	.0356	.7407	18.50.1	R	1 12 a. m.
10	25.647	20.44	81.6	9.96	82.0	.0365	.7407	18.50.0	R	2 12 „
11	25.647	20.35	81.5	9.96	82.0	.0349	.7407	18.50.2	R	3 12 „
12	25.784	20.23	81.3	9.92	82.0	.0330	.7402	18.50.2	R	4 12 „
13	26.742	20.33	81.2	9.95	81.7	.0346	.7406	18.50.1	B	5 12 „
14	27.632	20.54	81.4	10.00	81.7	.0381	.7411	18·50.0	B	6 12 „
15	29.411	20.86	81.4	10.00	81.7	.0433	.7411	18.49.3	B	7 12 „
16	29.137	21.20	81.6	10.01	81.9	.0489	.7412	18·48·5	B	8 12 „
17	28.248	21.62	82.1	10.06	82.0	.0557	.7418	18.47.9	C	9 12 „
18	25.784	21.98	83.2	10.09	83.0	.0616	.7421	18.47.2	C	10 12 „
19	23.252	21.85	83.7	10.06	83.2	.0595	·7417	18.47.4	C	11 12 „
20	22.226	21.42	81.0	9.94	82.0	.0527	·7404	18.47.7	C	Noon.
21	22.910	21.38	81.0	9.95	81.8	.0518	.7406	18.47.9	R	1 12 p. m.
22	22.568	21.31	82.0	10.06	82.0	.0507	.7418	18.48.6	R	2 12 „
23	23.800	21.03	82.8	10.18	82.5	.0461	.7420	18.49.3	R	3 12 „

On the 25th, at about 18h. 45m., Dip as obtained by Observation was 19°01′.9

DAILY OBSERVATIONS, FROM 29TH TO 31ST JULY 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.	°									h. m.
JULY 29TH—Noon.	25·305	20.69	83·0	10.19	83·0	8.0405	2.7432	18°50·4	R	4 12 p.m.
1	26.674	20.49	83.0	10.14	83.0	·0373	.7426	18.50.7	B	5 12 „
2	26.674	20.41	82.6	10.19	83.0	.0360	.7432	18.51.0	B	6 12 „
3	25.853	20.32	82.4	10.18	82·6	.0344	.7431	18.51.3	B	7 12 „
4	25·442	20.27	82.2	10.20	82·6	.0337	.7433	18.51.4	B	8 12 „
5	25.784	20.15	82.0	10.26	82.6	.0316	.7440	18.51.9	C	9 12 „
6	25.853	20.05	82.0	10.27	82.4	.0300	.7441	18.52.2	C	10 12 „
7	25.853	20.07	81.9	10.41	82.4	.0304	·7456	18.52.8	C	11 12 „
8	26.263	20.14	81.9	10·55	82.2	.0315	.7472	18.53.0	C	Midnight.
9	26.126	20.16	81·5	10.46	82.0	.0318	.7462	18.52.6	R	1 12 a. m
10	25·989	20.27	81.5	10.56	82.0	.0337	.7473	18.52.0	R	2 12 „
11	25.989	20·28	81.4	10.56	82.0	.0338	.7473	18.52.9	R	3 12 „
12	25.989	20.32	81.2	10.56	82.0	.0344	·7473	18.52.9	R	4 12 „
13	26.537	20.36	81.2	10.60	81.8	.0351	.7477	18.52.9	B	5 12 „
14	27.632	20·43	81.2	10.60	81.7	.0363	.7477	18.52.8	B	6 12 „
15	28.180	20.66	81.4	10.60	81.6	.0400	.7477	18.52.3	B	7 12 „
16	27.906	21.00	81.8	10.61	81.9	.0456	.7478	18.51.5	B	8 12 „
17	25.921	21.15	82.3	10.62	82.2	.0480	.7479	18.51.3	C	9 12 „
18	25.169	21.24	83.0	10.64	82.8	.0496	.7481	18 51.1	C	10 12 „
19	24.485	21.56	83.9	10.64	83.1	.0546	.7481	18.50.4	C	11 12 „
20	23.389	21.56	84.0	10.62	83.4	.0548	.7479	18.50.3	C	Noon.
21	23.536	21.42	83.7	10.61	83.5	.0525	.7478	18.50.6	R	1 12 p. m.
22	23.800	21.24	83.8	10.61	83.5	.0496	.7478	18.51.0	R	2 12 „
23	23.936	21.07	83.9	10.61	83·6	.0468	.7478	18.51.4	R	3 12 „
JULY 30TH—Noon.	24.621	20.82	83.7	10.61	83.6	.0426	.7478	18.51.9	R	4 12 „
1	25.032	20.57	83.5	10.66	83.5	.0386	.7484	18·52.6	B	5 12 „
2	25.442	20.47	83.0	10.63	83·5	.0370	.7480	18.52.8	B	6 12 „
3	25.237	20.36	82.5	10.61	83.1	.0351	.7478	18·52.9	B	7 12 „
4	25.100	20·34	82.3	10.59	83.0	.0348	.7476	18.52·8	B	8 12 „
5	25.169	20.31	82.0	10·58	82.8	.0343	.7475	18.52.0	C	9 12 „
6	25.305	20.31	82.0	10.58	82.5	.0343	.7475	18.52.0	C	10 12 „
7	25.442	20.40	82.0	10.52	82.5	.0358	.7468	18.52.4	C	11 12 „
8	25.511	20.43	81.9	10.51	82.4	.0363	.7467	18.52.4	C	Midnight.
9	25.647	20.42	81.8	10.46	82.0	.0361	.7462	18.52.1	R	1 12 a. m.
10	25.647	20.44	81.6	10.46	82.0	.0365	.7462	18.52.0	R	2 12 „
11	25.853	20.44	81.5	10.46	82.0	.0365	.7462	18.52.0	R	3 12 „
12	26.126	20.44	81.3	10.46	82.0	.0365	.7462	18·52.0	R	4 12 „
13	26.742	20.44	81.2	10.46	81.9	.0365	.7462	18.52.0	B	5 12 „
14	27·906	20·61	81.2	10.50	81.8	.0392	.7466	18.51.9	B	6 12 „
15	28.180	20.92	81.3	10.50	81.7	.0442	.7466	18.51·3	B	7 12 „
16	28.180	21.35	81.9	10.50	81.8	.0513	.7466	18.50.4	B	8 12 „
17	27.426	21.68	82.2	10.55	82.3	.0567	.7472	18.49.8	C	9 12 „
18	26.126	22.04	83.0	10·60	82.7	.0627	.7479	18.49.4	C	10 12 „
19	24.690	22.12	84.0	10.60	83.2	·0639	.7477	18.49.2	C	11 12 „
20	22.637	22.12	84·5	10.62	83.9	·0639	.7479	18.49.2	C	Noon.
21	22.568	22·00	85·0	10.63	84·3	.0620	.7480	18.49.5	R	1 12 p. m.
22	23.731	21.75	85.2	10.65	84.9	.0579	.7483	18.50.2	R	2 12 „
23	25·511	21.50	85.0	10.64	85.0	.0538	.7481	18.50.6	R	3 12 „
JULY 31ST—Noon.	26.400	21.18	84.6	10.54	84.7	.0485	.7470	18.50.8	R	4 12 „
1	26.332	20.91	84.4	10.64	84.7	.0441	.7481	18.51.9	B	5 12 „
2	25.169	20.86	84.0	10.55	84·2	.0433	.7471	18.51.6	B	6 12 „
3	25.169	20.75	83.4	10.52	84.0	.0415	.7468	18.51.6	B	7 12 „
4	24.827	20·60	83.0	10.56	83.5	.0390	.7473	18.52.2	B	8 12 „
5	25.169	20.62	82.8	10.59	83.5	.0393	.7476	18.52.3	C	9 12 „
6	25.305	20.49	82.5	10.56	83.3	.0373	.7473	18.52.5	C	10 12 „
7	25.305	20.52	82.2	10.59	83.0	.0377	.7476	18.52.5	C	11 12 „
8	25.647	20.51	82.0	10.59	82.9	.0376	·7476	18.52.5	C	Midnight.
9	25.989	20.52	81.9	10.61	82.5	.0377	.7478	18.52.6	R	1 12 a. m.
10	25.784	20.56	81.7	10.61	82·3	.0384	.7478	18.52.6	R	2 12 „
11	25.989	20.59	81.6	10.61	82.0	.0389	.7478	18.52.4	R	3 12 „

On the 29th, at about 19h. 40m., Dip as obtained by Observation was 19°02′5.

DAILY OBSERVATIONS, FROM 31ST JULY TO 2ND AUGUST 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
July 31st—12	25·921	20.57	81·5	10.62	82·0	8.0384	2.7479	18°52′6	R	4 12 a. m.
13	26.332	20.67	81·5	10.61	82.0	.0402	.7478	18.52.3	B	5 12 „
14	27.769	20.62	81·5	10.71	82·0	.0393	.7489	18.52.8	B	6 12 „
15	28.453	20.68	81.6	10.78	81·9	.0403	.7497	18.53.1	B	7 12 „
16	28.590	20.91	82.0	10.81	82.1	.0441	.7500	18.52.7	B	8 12 „
17	27.838	21.26	82.9	10.77	82.4	.0499	.7497	18.51.8	C	9 12 „
18	25.784	21.60	83.8	10.79	83.0	.0554	.7498	18.51.1	C	10 12 „
19	24·279	21.70	84.6	10.78	83.9	.0571	.7497	18.50.9	C	11 12 „
20	23.116	21.77	85.0	10.77	84·2	.0583	.7497	18.50.8	C	Noon.
21	23.047	21.76	85.3	10.74	84.7	.0581	.7492	18.50.5	R	1 12 p. m.
22	23.047	21.60	85.6	10.65	85.0	.0554	.7483	18.50.5	R	2 12 „
23	23.594	21.53	85.7	10·67	85.5	.0543	.7485	18.50.8	R	3 12 „
Aug. 1st-Noon.	24.553	21.34	85.8	10.32	86.0	.0512	.7446	18.49.7	R	4 12 „
1	24.963	21.01	85.0	10.18	86.0	.0458	.7431	18.49.7	R	5 12 „
2	25.169	20.96	84.6	10.10	85.0	.0449	.7422	18.49.4	R	6 12 „
3	25.169	20.82	84.0	10.04	84.8	.0426	.7415	18.49.5	R	7 12 „
4	25.169	20.61	83 6	10.02	84.0	.0392	.7413	18.49.9	R	8 12 „
5	25.511	20.23	83.2	10.12	84.0	.0330	.7424	18.51.1	B	9 12 „
6	25.305	20.18	83.0	10.11	83 5	.0321	.7423	18.51.2	B	10 12 „
7	25.442	20.15	82.6	10.10	83 4	.0316	.7422	18.51.1	B	11 12 „
8	26.058	20.21	82.5	10.10	83.2	.0327	.7422	18.51.9	B	Midnight.
9	25.921	20.20	82.2	10.04	83·0	.0325	.7415	18.50.8	C	1 12 a. m.
10	26·126	20.29	82.0	10.13	82.9	.0340	.7425	18.51 1	C	2 12 „
11	26.606	20.32	81.8	10.08	82.7	.0344	.7420	18 50.9	C	3 12 „
12	26.531	20.24	81.4	10.05	82.4	.0332	.7417	18.50.9	C	4 12 „
13	26.879	20.23	81.0	10.02	82.0	.0330	.7413	18.50.7	R	5 12 „
14	28.727	20.40	81.0	9.96	82.0	.0358	.7407	18.50.1	R	6 12 „
15	29.411	20.69	81.5	9.96	82.0	.0405	.7407	18.49 5	R	7 12 „
16	28.522	20.94	81.9	9.96	82.0	.0446	.7407	18.48.9	R	8 12 „
17	26.606	21.39	82.7	9.96	82.5	.0520	.7407	18.48.0	B	9 12 „
18	23.594	21.45	82.8	9.92	82.8	.0530	.7402	18.47.6	B	10 12 „
19	21.883	21.54	82.8	9.94	82 9	.0545	.7404	18.47.8	B	11 12 „
20	21.473	21.58	83.0	9.97	83.0	.0551	.7408	18.47.6	B	Noon.
21	21.815	21.43	82.4	10.02	82.7	.0527	.7413	18.48.1	C	1 12 p. m.
22	23.252	21.21	82.5	9.92	82.5	.0491	.7402	18.48.1	C	2 12 „
23	23.936	21.06	82.9	10.00	82.8	.0466	.7400	18.48.4	C	3 12 „
Aug. 2nd-Noon.	25.032	20.78	83.0	10.07	83.0	.0420	.7419	18.49.7	C	4 12 „
1	23.731	21.04	83.3	9.99	83.1	.0463	.7410	18.48.9	R	5 12 „
2	23.663	20.49	83.0	10.01	83.5	.0373	.7412	18.50.1	R	6 12 „
3	23.458	20.42	82.9	9.99	83.1	.0361	.7410	18.50.2	R	7 12 „
4	24.210	20.42	82.6	9.99	83.0	.0361	.7410	18.50.2	R	8 12 „
5	24.758	20.37	82.3	10.04	83.0	.0353	.7415	18.50.5	B	9 12 „
6	25.305	20.39	82.3	10.07	82.9	.0356	.7419	18.50.5	B	10 12 „
7	26.195	19.96	82.2	9.99	82.9	.0285	.7410	18.51.1	B	11 12 „
8	26.742	19.77	81.8	9.98	82.6	.0255	.7409	18.51.4	B	Midnight.
9	27.084	19.74	81.6	9.97	82.4	.0250	.7408	18.51.5	C	1 12 a. m.
10	27.701	19.65	81.4	9.97	82.2	.0236	.7408	18.51.7	C	2 12 „
11	28.385	19.77	81.2	9.98	82.0	.0255	.7409	18.51.4	C	3 12 „
12	28.932	19.78	81.1	10.00	81.9	.0256	.7411	18.51.5	C	4 12 „
13	27.975	20.00	81.0	9.96	81.9	.0292	.7407	18.51.0	R	5 12 „
14	29.137	20.26	81.0	10.01	82.0	.0335	.7412	18.50.5	R	6 12 „
15	29.001	20.48	81.3	10.01	82.0	.0371	.7412	18.50.1	R	7 12 „
16	27.838	20.91	82.0	9.96	82.0	.0441	.7407	18.49.1	R	8 12 „
17	25.442	21.18	82.9	10.02	82.4	.0485	.7413	18.48.6	B	9 12 „
18	23.252	21.41	83.3	10.04	83.0	.0524	.7415	18.48.3	B	10 12 „
19	22.295	21.39	83.7	10.05	83.4	.0520	.7417	18.48.4	B	11 12 „
20	20.994	21.27	83 9	10.01	83.5	.0501	.7412	18.48.4	B	Noon.
21	21.131	21.03	84,6	10.06	84.0	.0461	.7407	18.48.8	C	1 12 p. m.
22	22.295	20.91	84.5	10.09	84.3	.0441	.7410	18.49.2	C	2 12 „
23	24.553	20.62	84.2	10.09	84.2	.0393	.7410	18.49.8	C	3 12 „

On the 1st, at about 19h. 45m., Dip as obtained by Observation was 19°05′6.
On the 2nd, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 4TH TO 6TH AUGUST 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.	° ′									h. m.
Aug. 4th-Noon.	25·647	20.96	84·8	10.16	85·4	8.0449	2.7429	18°49·7	R	4 12 p. m.
1	26.811	20.47	84.0	10.15	85.0	.0370	.7428	18.50.8	R	5 12 „
2	26.469	20.29	83.8	10.15	84.9	.0340	.7428	18.51.2	R	6 12 „
3	25.305	20.15	83.1	10.07	84.0	.0316	.7419	18.51.0	R	7 12 „
4	25.100	20.19	83.0	10.07	84.0	.0323	.7419	18·51.0	R	8 12 „
5	25.237	20.24	82.7	10.11	83.7	.0332	.7423	18·51.1	B	9 12 „
6	25.237	20.30	82.5	10.11	83.5	.0341	.7423	18.51.0	B	10 12 „
7	25.716	20.31	82.5	10.10	83.3	.0343	.7422	18.50.9	B	11 12 „
8	25.853	20.34	82.2	10.11	83.1	.0348	.7423	18·50.8	B	Midnight.
9	25.716	20.29	82.0	10.13	83.0	.0340	.7426	18.51.1	C	1 12 a. m.
10	25.579	20.44	81.9	10.13	83.0	.0365	.7426	18.50.7	C	2 12 „
11	25.853	20·33	81.9	10.11	83.0	.0346	.7423	18.50.8	C	3 12 „
12	26.126	20.69	81.6	10·08	8·.8	.0405	.7420	18.50.0	C	4 12 „
13	26.948	20.42	81.5	10.08	82.5	.0361	.7420	18.50.6	R	5 12 „
14	28.453	20.47	81.5	10.06	82.1	.0370	.7418	18·50.4	R	6 12 „
15	29.558	20.41	81.7	10.07	82.2	.0360	.7419	18.50.5	R	7 12 „
16	28.932	20.58	82.1	10.06	82.7	.0387	.7418	18.50.1	R	8 12 „
17	26.400	20.81	82.9	10.04	82.9	.0425	.7415	18.49.5	B	9 12 „
18	24.142	21.08	83.7	10.05	83.3	.0469	.7416	18.49.0	B	10 12 „
19	23.116	21.43	84.0	10.12	83.4	.0477	.7424	18.49.2	B	11 12 „
20	22.842	21.09	84.6	10.08	84.3	.0471	.7420	18.49.2	B	Noon.
21	23.800	20.95	85.0	10.14	84·8	.0447	.7422	18.49.4	C	1 12 p. m.
22	24.690	20.85	85·1	10.18	85.3	.0431	.7431	18.50.1	C	2 12 „
23	25.442	20.72	85.5	10.22	85.7	.0410	.7435	18.50.6	C	3 12 „
Aug. 5th-Noon.	26.811	20.59	85.2	10.23	86.0	.0389	.7436	18.50.8	C	4 12 „
1	27.084	20·30	85.0	10.17	85.6	.0341	.7430	18.51.3	R	5 12 „
2	26.674	20.15	84.2	10.05	85.0	.0316	.7417	18.51.0	R	6 12 „
3	26.537	20.20	83.6	10.04	84.6	.0325	.7415	18.50.8	R	7 12 „
4	25.989	20·14	83.2	10.05	84.0	.0315	.7417	18.51.0	R	8 12 „
5	25.579	20.18	83.1	10.07	83.9	.0321	.7419	18.51·0	B	9 12 „
6	25.442	20.38	83.0	10.09	83·6	.0354	.7421	18.50.7	B	10 12 „
7	25.511	20.35	82.7	10.11	83.5	.0349	.7423	18.50.8	B	11 12 „
8	25·579	20.38	82.5	10.10	83.4	.0354	.7422	18.50.7	B	Midnight.
9	25.579	20.39	82.2	10.08	83·3	·0356	.7420	18.50.6	C	1 12 a. m.
10	25.647	20·46	82.1	10.09	83.1	.0368	.7421	18.50.5	C	2 12 „
11	25.647	20.42	81.9	10.09	82.9	.0361	.7421	18·50.6	C	3 12 „
12	25·852	20.31	81.7	10.08	82.6	.0343	.7420	18.50.9	C	4 12 „
13	26.674	20.41	81.7	10.08	82·5	.0360	.7420	18.50.6	R	5 12 „
14	28.317	20.64	81.7	10.08	82.5	.0397	.7420	18.50.1	R	6 12 „
15	29.137	20.86	82.0	10.18	82.5	.0433	.7431	18.50.1	R	7 12 „
16	28·385	21.50	82.5	10.13	82.7	.0538	.7425	18·48.5	R	8 12 „
17	26.195	21.66	83.3	10.09	83.1	.0564	.7421	18.48.0	B	9 12 „
18	24.073	21.92	84.1	10.11	83.7	.0606	.7423	18.47.5	B	10 12 „
19	23.663	22.42	84.7	10.13	84.3	.0689	.7425	18.46·5	B	11 12 „
20	22.568	22.13	85.3	10.15	85.0	.0641	.7428	18.47.3	B	Noon.
21	20.515	22.44	85.7	*		.0691	*		C	1 12 p. m.
22	23·389	21.01	85.9	*		.0458	*		C	2 12 „
23	23.594	20.47	85.9	*		.0370	*		C	3 12 „
Aug. 6th-Noon.	25.100	20.01	85.6			.0294			C	4 12 „
1	25.921	19.69	85.5			.0243			R	5 12 „
2	24.827	19.91	84.8	14.20	86.0	.0277	.7376	18.50.0	R	6 12 „
3	24.142	19.79	84.2	14.38	85.0	.0255	.7387	18.50·6	R	7 12 „
4	24.758	19.97	83.9	14.55	85.0	.0287	.7406	18.50.9	R	8 12 „
5	25.169	19.78	83.6	14.74	84.7	.0256	·7426	18.52.1	B	9 12 „
6	25.169	19.86	83.5	14.59	84.5	.0269	·7410	18.51.4	B	10 12 „
7	25.579	19.86	83.2	14.45	84.2	.0269	.7395	18·50.8	B	11 12 „
8	25.032	20.16	83.1	14.40	84.0	.0318	·7389	18.49.8	B	Midnight.
9	25.716	20·48	83.0	14.54	84.0	.0371	.7404	18.49.8	C	1 12 a. m.
10	25.921	20·03	83.0	14.52	83.9	.0297	.7402	18.50.6	C	2 12 „
11	26.263	20.03	82.9	14.53	83.5	.0297	.7403	18.50.7	C	3 12 „

On the 5th, at about 19h. 30m., Dip as obtained by Observation was 18°581.

* Vertical Force under adjustment.

DAILY OBSERVATIONS, FROM 6TH TO 8TH AUGUST 1861.

Date. Göttingen Mean Time. 1861..	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Aug. 6th—12	26·469	20.01	82·7	14.48	83·4	8.0294	2.7398	18°50′6	G	4 12 a. m.
13	27.084	20.03	82.4	14·69	83.0	·0297	.7421	18.51 4	R	5 12 „
14	28.453	20.11	82.0	14.84	83.0	.0310	.7437	18.52.0	R	6 12 „
15	28·659	20.18	82.1	14.69	83.0	.0321	.7421	18.51.1	R	7 12 „
16	26·537	20.59	82.7	14.19	83.0	.0389	.7366	18.48·0	R	8 12 „
17	24.210	20.90	83.1	14.16	83·5	.0439	.7363	18.47.3	B	9 12 „
18	23.252	20.96	83.5	14.36	83·6	.0449	.7385	18.48.0	B	10 12 „
19	22.705	20.93	84.4	14.38	84.3	.0444	.7387	18.48.3	B	11 12 „
20	22·979	20.94	85.1	14.60	85.0	.0446	.7411	18.49.0	B	Noon.
21	23.594	20.81	84.5	14.69	84·8	.0425	.7421	18.49.7	C	1 12 p. m.
22	23.731	20.71	85.0	14.76	85.4	.0409	.7429	18.50.3	C	2 12 „
23	24.348	20.56	85.1	14.47	85.6	.0384	.7397	18·49.5	C	3 12 „
Aug. 7th-Noon.	24.963	20.50	85.0	14.05	85.8	.0374	.7351	18.47.8	C	4 12 „
1	25.305	20.26	84.8	14.77	85.7	.0335	.7430	18.51.3	R	5 12 „
2	24.621	20.22	83.7	14·55	85.0	.0328	.7406	18.50.4	R	6 12 „
3	24.279	20.26	83.1	14.63	84.4	.0335	.7414	18.50.6	R	7 12 „
4	24.621	20.29	83.0	14.42	84.0	.0340	.7391	18.49.7	R	8 12 „
5	24.758	20.29	83.0	14·60	84.0	.0340	.7411	18.50.5	B	9 12 „
6	24.895	20.40	83.0	14·56	83.8	.0358	.7407	18.50.1	B	10 12 „
7	25.032	20.44	83.0	14.67	83.6	.0365	.7419	18.50.4	B	11 12 „
8	25.032	20.39	82.9	14.73	83.6	.0356	.7425	18.50.8	B	Midnight.
9	25.169	20.40	82.8	14.73	83·6	.0358	.7425	18.50·8	C	1 12 a. m.
10	25.442	20.40	82.8	14·75	83.5	.0358	.7420	18.50.9	C	2 12 „
11	25.511	20.47	82.3	14.77	83.1	.0370	.7430	18.50.9	C	3 12 „
12	25.579	20.49	82·1	14.79	82 9	.0373	.7432	18.50.9	C	4 12 „
13	25.989	20.51	82.0	14.84	82.9	.0376	.7437	18.51.1	R	5 12 „
14	28.043	20.41	82·0	14.88	82.7	·0360	.7442	18.51.4	R	6 12 „
15	28.385	20.57	82.0	14.98	82.6	.0384	.7453	18·51.7	R	7 12 „
16	27.016	20.86	82.0	15.13	82.7	.0433	.7469	18.51.5	R	8 12 „
17	25·989	21.38	82.1	15.08	82.7	.0518	.7464	18.50.1	B	9 12 „
18	24.621	21.46	82·3	15.08	82.7	.0532	.7464	18.50.0	B	10 12 „
19	23.663	21.46	82.5	15.08	82.8	.0532	.7464	18.50.0	B	11 12 „
20	23.594	21.42	82·7	15·14	83.0	.0525	·7470	18.50.3	B	Noon.
21	23.800	21.36	83·2	14.96	83.3	·0515	.7450	18.49 7	C	1 12 p. m.
22	26.668	21.51	83.8	15.23	83.7	.0540	.7480	18.50.6	C	2 12 „
23	28.038	20.92	84.2	15.16	83.0	.0442	.7472	18.51.5	C	3 12 „
Aug. 8th-Noon.	28.918	21.21	84.2	15.18	84.5	.0491	.7474	18.50.9	C	4 12 „
1	29.418	20.88	84.0	15.04	84.6	.0436	.7459	18.51.1	R	5 12 „
2	28.558	20.56	83.0	14.92	84.0	.0384	.7446	18.51.4	R	6 12 „
3	28·038	20 34	82.7	14.81	83.5	.0348	.7434	18.51.2	R	7 12 „
4	28.038	20.00	82.5	14.89	83.1	.0292	.7442	18.52 3	R	8 12 „
5	27.518	20.36	82.2	14.65	83·1	.0351	.7416	18.50.5	B	9 12 „
6	27.778	20.23	82.1	14.67	83·1	.0330	.7418	18.50.9	B	10 12 „
7	27.778	20.23	82.0	14.74	83.0	.0330	.7426	18.51.2	B	11 12 „
8	27.778	20.22	81.8	14.74	82.9	.0328	.7426	18.51.2	B	Midnight.
9	28.038	20.35	81.8	14.75	82.8	.0349	.7427	18.51.0	C	1 12 a. m.
10	28.658	20.29	81.8	14.86	82.6	.0340	.7439	18.51.6	C	2 12 „
11	28.708	20.42	81.6	14.87	82·4	.0361	.7440	18.51.4	C	3 12 „
12	28.058	20.37	81.3	14.98	82.1	.0353	.7452	18.51.9	C	4 12 „
13	29.228	20.35	81.1	15.06	82.0	.0349	.7461	18.52.2	R	5 12 „
14	30.128	20.42	81.1	15.56	82.0	.0361	.7516	18·54.2	R	6 12 „
15	31.588	20.10	81.0	15.46	81.6	.0308	.7504	18.54.5	R	7 12 „
16	30.548	20.47	81.6	15.16	82.0	.0370	.7472	18.52.4	R	8 12 „
17	27.778	20.92	82.3	14.95	82.3	.0442	.7449	18.50·7	B	9 12 „
18	25.418	21.09	82.8	14.90	82.7	.0471	.7444	18.50·1	B	10 12 „
19	24.898	21.35	83.5	15.05	83.3	·0513	.7460	18.50·2	B	11 12 „
20	24·788	21.34	84.5	15.02	84.1	.0512	.7457	18.50.2	B	Noon.
21	25.518	21·30	84.7	15.00	84.5	.0505	.7455	18.50.1	C	1 12 p. m.
22	25.998	21.08	84.9	14.99	84.9	.0469	.7453	18.50.5	C	2 12 „
23	27.518	20.77	85.0	15.01	85.6	.0419	.7456	18.51.2	C	3 12 „

On the 8th, at about 19h. 15m., Dip as obtained by Observation was 19°04′4.

DAILY OBSERVATIONS, FROM 9TH TO 12TH AUGUST 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Aug. 9th-Noon.	28·238	20.71	85·0	14.98	85·9	8.0409	2.7472	18°51′9	C	4 12 p. m.
1	28·758	20·63	84.9	14.98	86·0	.0395	.7472	18.52.0	R	5 12 „
2	28.298	20.59	84.3	14.85	85.1	.0389	.7438	18.50.9	R	6 12 „
3	27.518	20.47	83.7	14.84	84.7	.0370	.7437	18.51.2	R	7 12 „
4	27.718	20.29	83.0	14.92	84.0	.0340	.7446	18.51.9	R	8 12 „
5	27.778	20.39	83.0	14.87	84.1	.0356	.7440	18.51.4	B	9 12 „
6	27.578	20.48	83.0	14.90	83.9	.0371	.7444	18.51.4	B	10 12 „
7	28.038	20.52	82.8	14.97	83.7	.0377	.7451	18.51.6	B	11 12 „
8	28.298	20.47	82.8	14.96	83.6	.0370	.7450	18.51.7	B	Midnight.
9	28.298	20.45	82.7	14.96	83.5	.0366	.7450	18.51.7	C	1 12 a. m.
10	28.298	20.49	82.5	15.00	83.3	.0373	.7455	18.51.9	C	2 12 „
11	28.398	20.53	82.4	15.02	83.2	.0379	.7457	18.51.9	C	3 12 „
12	28.498	20.55	82.3	15.24	83.1	.0382	.7481	18.52.7	C	4 12 „
13	29.078	20.56	82.0	15.29	83.0	.0384	.7486	18.52.9	R	5 12 „
14	31.378	20.56	82.0	15.39	83.0	.0384	.7497	18.53.4	R	6 12 „
15	32.528	20.56	82.0	15.48	82.7	.0384	.7507	18.53.8	R	7 12 „
16	32.748	20.75	82.8	15.29	83.0	.0415	.7486	18.52.3	R	8 12 „
17	30.388	21.02	83.3	15.06	83.4	.0459	.7461	18.50.8	B	9 12 „
18	28·038	21.13	84.0	14.76	83.6	.0477	.7428	18.49.4	B	10 12 „
19	25.078	21.22	83.8	14.96	83.6	.0492	.7450	18.50.1	B	11 12 „
20	24.108	21.25	84.1	15.37	83.9	.0497	.7495	18.51.7	B	Noon.
21	23.998	21.22	84.9	14.98	84.7	.0492	.7452	18.50.1	C	1 12 p. m.
22	26.828	21.16	85.1	15.21	85.3	.0482	.7478	18.51.3	C	2 12 „
23	27.518	20.90	85.0	15.35	85.6	.0439	.7493	18.52.4	C	3 12 „
Aug. 11th-Noon.	27.518	20.77	84.7	14.94	84.7	.0419	.7448	18.50.9	R	4 12 „
1	28.868	20.66	84.5	15.08	84.8	.0400	.7463	18.51.7	R	5 12 „
2	28.298	20.56	83.6	15.15	85.0	.0384	.7471	18.52.3	R	6 12 „
3	28.298	20.47	83·2	14.97	84.4	.0370	.7451	18.51.7	R	7 12 „
4	28.458	20.42	82.9	15.22	84.0	.0361	.7479	18.52.8	R	8 12 „
5	28.298	20.52	82.6	15.26	83.6	.0377	.7483	18.52.8	B	9 12 „
6	28.298	20.39	82.5	15.25	83.6	.0356	.7482	18.52.9	B	10 12 „
7	29.078	20.42	82.5	14.61	83.5	.0361	.7412	18.50.2	B	11 12 „
8	29.078	20.46	82.5	14.33	83.5	.0368	.7381	18.48.9	B	Midnight.
9	28.398	20.53	82.3	14.30	83.3	.0379	.7378	18.48.7	C	1 12 a. m.
10	28·448	20·54	81.9	13.70	82.8	·0381	.7312	18.46.1	C	2 12 „
11	28.558	20.44	81.0	13.72	82.1	.0368	.7314	18.46.3	C	3 12 „
12	29·078	20.53	80.9	13.76	81.9	.0379	.7312	18.46.1	C	4 12 „
13	29.488	20.48	80.6	13.75	81.7	.0371	.7317	18.46.5	R	5 12 „
14	31.228	20.52	79.8	13.43	81.0	.0377	.7282	18·44.9	R	6 12 „
15	32.748	20·56	79.7	13.23	81.0	.0384	.7260	18.44.1	R	7 12 „
16	33.668	20.69	80.5	13.03	81·0	.0405	·7238	18·42.9	R	8 12 „
17	30·388	21.11	80·8	13.19	81.2	.0472	·7255	18.42.8	B	9 12 „
18	29.708	21.46	81.1	12.79	81.4	.0532	·7211	18.40.1	B	10 12 „
19	26.988	21.68	80.5	12.82	81.1	.0567	.7215	18.39.9	B	11 12 „
20	24.898	21·68	80.6	12.88	81.0	.0567	.7221	18.40.1	B	Noon.
21	23.998	21.34	81.0	12.84	81.3	.0512	.7217	18.40.8	C	1 12 p. m.
22	25·098	21.27	81.5	12.60	81.6	.0501	.7191	18.39.8	C	2 12 „
23	25.998	21.09	81.9	12.62	81.9	.0471	.7193	18.40.3	C	3 12 „
Aug. 12th-Noon.	26.878	20.72	81.4	12.70	81.9	.0410	.7202	18.41.4	C	4 12 „
1	28.038	20.69	81.0	12.75	81.7	.0405	.7207	18.41.7	R	5 12 „
2	28.298	20.53	80.7	12.78	81.3	.0379	.7210	18.42.2	R	6 12 „
3	28.188	20.48	80.5	12.77	81.1	.0371	.7209	18.42.2	R	7 12 „
4	28·038	20.39	80·2	12.83	81.0	.0356	.7216	18.42.6	R	8 12 „
5	28.298	20.47	79.8	12.87	80.6	.0370	.7221	18.42.7	B	9 12 „
6	28.558	20.35	79.5	12.96	80.3	.0349	.7230	18.43.3	B	10 12 „
7	28.758	20.31	79.0	13.04	79.8	.0343	.7239	18.43.8	B	11 12 „
8	29.078	20.42	78·7	13.21	79.7	.0361	.7258	18.44.3	B	Midnight.
9	28.918	20·42	78.9	13.29	79.7	.0361	.7266	18.44.5	C	1 12 a. m.
10	28.708	20.44	79.0	13.30	79.9	.0365	.7268	18.44.5	C	2 12 „
11	28.818	20.45	79.0	13.28	79.9	.0366	.7265	18.44.4	C	3 12 „

DAILY OBSERVATIONS, FROM 12TH TO 14TH AUGUST 1861.

DATE. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1861.
h.										h. m.
AUG. 12TH—12	28·968	20.53	79°1	13.30	79·9	8.0379	2.7268	18°44′4	C	4 12 a. m.
13	29.338	20.48	79.0	13.34	79.7	.0371	.7272	18.44.6	R	5 12 „
14	30.908	20.57	79.0	13.39	79.5	.0384	.7277	18.44.8	R	6 12 „
15	31.698	20.44	79.0	13.28	79.4	.0365	.7265	18.44.4	R	7 12 „
16	31.178	20.80	79.7	13.29	79.5	.0423	.7266	18.43.7	R	8 12 „
17	29.868	20·92	80.2	13.25	80.0	.0442	.7262	18.43.3	B	9 12 „
18	27.248	21 25	80.6	13·26	80.3	.0497	.7263	18.42.6	B	10 12 „
19	27.248	21.45	81.6	13.25	80.9	.0530	.7262	18.42.1	B	11 12 „
20	25.948	21.57	81.9	13.28	81·1	.0550	.7265	18.42.0	B	Noon
21	25.673	21.61	82.5	13.25	81.8	.0556	.7262	18 41.7	C	1 12 p. m.
22	26.618	21·50	82.9	13.27	82.3	.0538	.7265	18.42.2	C	2 12 „
23	29.021	21.23	82.1	13·29	82.2	.0494	.7265	18.42.8	C	3 12 „
AUG. 13TH—Noon.	27.309	20.92	81.1	13.32	82.0	.0442	.7270	18.43.7	C	4 12 „
1	28.062	20.63	80.0	13.42	80·5	.0395	.7281	18.44.6	R	5 12 „
2	28.679	20.45	79.7	13.40	80.0	.0366	.7279	18.44.9	R	6 12 „
3	28.405	20.50	79.7	13.35	80.0	.0374	.7273	18.44.7	R	7 12 „
4	28.062	20.54	79.8	13.40	80.0	.0381	.7279	18.44.8	R	8 12 „
5	28.131	20.52	79.5	13·35	80.1	.0377	.7273	18.44.6	B	9 12 „
6	28.474	20.56	79.6	13.25	80.1	.0384	.7262	18.44.1	B	10 12 „
7	28 747	20.54	79.3	13.24	79.8	.0381	.7261	18.44.1	B	11 12 „
8	28.679	20·58	79·5	13·25	79·9	.0387	.7262	18.43.9	B	Midnight.
9	29·159	20.57	79.1	13.20	79.9	·0386	.7257	18·43.9	C	1 12 a. m.
10	28.953	20.57	79.0	13.21	79.6	.0386	.7258	18.43.9	C	2 12 „
11	28.747	20.60	78.9	13.18	79.2	·0390	.7254	18.43.7	C	3 12 „
12	28.953	20 60	79.1	12.94	79.4	.0390	.7228	18.42.7	C	4 12 „
13	28·953	20.59	79.1	12.69	79.5	·0389	.7200	18.41.6	R	5 12 „
14	30.116	20.65	79.5	12.49	79.6	.0398	.7178	18.40.6	R	6 12 „
15	31.486	20.73	79.5	12.49	79.6	.0412	.7178	18.40·5	R	7 12 „
16	31.692	20.83	79.6	12.33	79.7	.0428	.7161	18.39.5	R	8 12 „
17	31.007	20.95	79.5	12.24	79.7	.0447	.7151	18.38.9	B	9 12 „
18	29.706	21·22	79.5	12.04	79.8	.0492	.7129	18.37.5	B	10 12 „
19	28.131	21.49	79.6	11·85	79.9	.0537	.7108	18.36.1	B	11 12 „
20	26.967	21.43	79.1	11.87	79.8	.0527	.7110	18.36.3	B	Noon.
21	26.762	21.16	79.0	11.86	79.9	.0482	.7109	18.36.9	C	1 12 p. m.
22	26.899	20·83	78.8	11.84	79.4	.0428	.7107	18.37.5	C	2 12 „
23	27.377	20.52	78.8	11.73	79.2	.0377	.7095	18.37.7	C	3 12 „
AUG. 14TH—Noon.	27.857	20.24	78.9	11.71	79·1	·0332	.7093	18.38.2	C	4 12 „
1	28·816	20.02	79.0	11·68	79.2	.0295	.7089	18.38.4	R	5 12 „
2	29.090	20·07	78.7	11·67	79.0	.0304	.7088	18.38.4	R	6 12 „
3	28.884	19.98	78·5	11.72	79.0	.0288	.7094	18.38.7	R	7 12 „
4	28.816	19.98	78.5	11.67	79.0	.0288	.7088	18.38·5	R	8 12 „
5	28.816	19.98	78.5	11.72	79.0	.0288	.7094	18.38.7	B	9 12 „
6	29.090	19.80	78.4	11.72	78.9	.0259	·7094	18.39.1	B	10 12 „
7	29.227	19.78	78.5	11.72	79.0	.0256	.7094	18.39.1	B	11 12 „
8	29.843	20.01	78.5	11.72	79.1	.0294	.7094	18.38.7	B	Midnight.
9	29.090	20.12	78.5	11.67	79.0	.0311	.7088	18.38 3	C	1 12 a. m.
10	29.432	20.28	78.4	11.71	78.9	·0338	.7093	18.38.1	C	2 12 „
11	29.295	20.38	78.0	11.71	78.6	·0354	.7093	18·37.9	C	3 12 „
12	29.432	20.53	78.0	11.73	78.4	.0379	.7095	18.37.7	C	4 12 „
13	29.432	20.19	78.0	11.73	78.4	.0323	.7095	18.38.6	R	5 12 „
14	29 970	20.42	78.0	11.71	78.5	.0361	.7093	18.37.8	R	6 12 „
15	30.116	20.54	78.0	11 76	78.3	.0381	.7098	18.37.8	R	7 12 „
16	29.911	20.73	78 5	11·66	78.7	.0412	.7087	18.37.0	R	8 12 „
17	28.405	20.86	78.6	11.72	78.9	.0433	.7094	18.36.9	B	9 12 „
18	27.720	20.92	78.2	11.71	78.8	.0442	.7093	18.36.8	B	10 12 „
19	26.762	21.01	78.1	11.68	78.5	.0458	.7089	18.36.3	B	11 12 „
20	26.488	21.05	78.1	11.71	78.5	.0464	.7093	18.36.5	B	Noon.
21	26.762	20.88	78.9	11.62	78.9	.0436	.7083	18.36 4	C	1 12 p. m.
22	26.993	20.72	79.0	11.65	79·0	.0410	.7086	18.36.9	C	2 12 „
23	27.789	20 58	78.9	11.61	79 0	.0387	.7082	18.35.9	C	3 12 „

On the 12th, at about 19h., Dip as obtained by Observation was 19°03′1.

DAILY OBSERVATIONS, FROM 15TH TO 19TH AUGUST 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Aug. 15th-Noon.	27·651	20 32	78°7	11.67	78°9	8.0344	2.7088	18°37·9	C	4 12 p. m.
1	29.090	19.95	79.0	11.58	79.3	.0283	.7078	18.38.3	R	5 12 ,,
2	29 501	19.45	78.9	11.58	79.0	.0202	.7078	18.39.3	R	6 12 ,,
3	28.953	19.57	78.5	11.67	79.0	.0222	.7088	18.39.4	R	7 12 ,,
4	29.364	19.54	78.3	11.67	79.0	.0217	.7088	18.39.4	R	8 12 ,,
5	28.816	19.67	78.3	12.02	79.0	·0230	.7127	18.40.9	B	9 12 ,,
6	28.610	19.92	78.2	12.02	78.9	·0278	.7127	18.40.3	B	10 12 ,,
7	28.542	20.02	78.2	12.22	78.9	.0295	.7149	18.40.8	B	11 12 ,,
8	28.474	20.08	78.2	12.31	78.8	.0305	.7159	18.41.1	B	Midnight.
9	28.884	20.08	78.2	12.56	78.8	.0305	.7186	18·42.1	C	1 12 a. m.
10	29 021	20.07	78.1	12.66	78.8	.0304	.7197	18.42.7	C	2 12 ,,
11	29.021	20.17	78.2	12.76	78.7	.0320	.7208	18.42.8	C	3 12 ,,
12	29.021	20.13	78.2	12.81	78.6	.0313	.7214	18.43.2	C	4 12 ,,
13	29.501	20.13	78.3	12.86	78.5	.0313	.7219	18.43.4	R	5 12 ,,
14	30 528	20.18	78.5	12.86	78.9	.0321	.7219	18.43.2	R	6 12 ,,
15	30.664	20 24	78.7	12.76	78.7	.0332	.7208	18.42.7	R	7 12 ,,
16	29.843	20.33	79.0	12.79	79.0	.0346	.7211	18.42.5	R	8 12 ,,
17	28·268	20.84	79.7	12.79	79·6	.0430	.7211	18.41.5	B	9 12 ,,
18	26.693	20.87	80.3	12·65	80.0	.0435	.7196	18.40.8	B	10 12 ,,
19	24 913	20.93	81.0	12.52	80.2	.0444	.7182	18.40.2	B	11 12 ,,
20	23·954	20.89	81·5	12.72	80.7	.0438	.7204	18.41.1	B	Noon.
21	25·324	20.72	81.5	12.83	81.0	.0410	.7216	18.42.0	C	1 12 p. m.
22	26.899	20.19	80.9	12.87	80.7	.0323	.7223	18.43.3	C	2 12 ,,
23	28.268	20.31	80.9	12.92	80.8	.0343	.7224	18.43.2	C	3 12 ,,
Aug. 16th-Noon.	29.021	20.38	80.9	12.87	80.9	.0354	.7220	18.42.9	C	4 12 ,,
1	28.816	20.24	80.6	12.83	80.9	.0332	.7216	18.43.0	R	5 12 ,,
2	28.747	20.10	80.3	12.71	80.3	.0308	.7203	18.42.8	R	6 12 ,,
3	28.405	20.05	80.0	12.51	80 2	.0300	.7181	18.42.0	R	7 12 ,,
4	28.747	20.10	80.0	12.70	80.0	.0308	.7202	18.42.7	R	8 12 ,,
5	29.090	20·00	80.0	12.75	80.0	.0292	.7207	18.43.2	B	9 12 ,,
6	29.090	19.93	79.8	12.65	80.0	.0280	.7196	18.42.9	B	10 12 ,,
7	28.747	19.93	79.4	12.54	79.8	.0280	.7184	18.42.4	B	11 12 ,,
8	28.816	20.04	79.2	12.51	79.6	.0299	.7181	18.42.0	B	Midnight.
9	28.884	20.15	79.1	12.42	79.9	.0316	.7171	18.41.3	C	1 12 a. m.
10	28.953	20.09	79.2	12·40	79.9	.0307	.7169	18.41.3	C	2 12 ,,
11	28.816	20.16	79.2	12.35	79.8	.0318	.7163	18.41.0	C	3 12 ,,
12	28.884	20.20	79.3	12.30	79.9	.0325	.7158	18.40.8	C	4 12 ,,
13	29.638	20 34	79.5	11.99	79.7	.0343	.7123	18.39.1	R	5 12 ,,
14	30.938	20.28	79.1	11.89	79.6	.0338	.7112	18.38.8	R	6 12 ,,
15	31.555	20.32	79.0	11.78	79.4	.0344	.7092	18.38.0	R	7 12 ,,
16	30.528	20.67	79.5	11.59	79.5	.0402	.7079	18.36.7	R	8 12 ,,
17	29.021	21.05	80.0	11.50	79.9	.0464	.7070	18.35.6	B	9 12 ,,
18	27.104	21.33	80.8	10.58	80.4	.0510	.6968	18.31.0	B	10 12 ,,
19	26.077	21·09	80.6	10.52	80.7	.0471	.6962	18.31.2	B	11 12 ,,
20	25.461	21.02	79.7	10.52	80.1	.0459	.6962	18.31.3	B	Noon.
21	26.282	20.87	79.3	10.50	80.0	·0431	.6960	18.30.8	C	1 12 p. m.
22	27.857	20.32	79.0	10.47	79.8	.0344	.6956	18.32.8	C	2 12 ,,
23	28.884	20.29	79.1	10·44	79.5	.0340	.6953	18.32.7	C	3 12 ,,
Aug. 19th-Noon.	29.638	19·33	78.5	9.17	79.0	.0182	.6813	18.29.3	R	4 12 ,,
1	29.295	19 28	78.2	9.17	78.9	.0174	.6813	18.29.4	R	5 12 ,,
2	30.528	18.64	78.0	9.16	78.8	.0069	.6812	18.30.6	R	6 12 ,,
3	31.144	18.64	78.0	9.16	78.8	.0069	.6812	18.30.6	R	7 12 ,,
4	31.213	18.72	78.2	9.15	78.9	.0082	·6811	18.30.5	R	8 12 ,,
5	31.007	18.53	78.2	9.21	78.6	.0051	·6818	18.31.1	B	9 12 ,,
6	30.390	18·78	78·2	9.21	78.6	.0092	.6818	18.30.6	B	10 12 ,,
7	29.843	19·07	78·3	9.16	78.7	.0140	.6812	18.29.7	B	11 12 ,,
8	29.227	19.35	78.1	9.18	78.6	.0185	.6814	18.29.1	B	Midnight.
9	29.295	19.36	78.0	9.16	78.7	.0187	.6812	18.29.0	C	1 12 a. m.
10	29.090	19.45	77.9	8.90	78.4	.0202	.6784	18.27.8	C	2 12 ,,
11	28.953	19.55	77.9	8.96	78.5	.0215	.6790	18.27.8	C	3 12 ,,

On the 15th, at about 19h. 30m., Dip as obtained by Observation was 19°08'1.

DAILY OBSERVATIONS, FROM 19TH TO 21ST AUGUST 1861.

Date. Göttingén Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Aug. 19th—12	29·227	19.68	77·9	9.14	78·5	8.0241	2.6810	18°28′4	C.	4 12 a. m.
13	30 459	19.82	78·0	9.17	78.3	.0262	.6813	18.28.2	R	5 12 „
14	31.555	19.52	78.0	9.35	78.2	.0213	.6833	18.29.7	R	6 12 „
15	32.650	19.29	78.0	9 35	78.2	.0176	.6833	18.30.1	R	7 12 „
16	31.897	19.43	78.0	9.36	78.5	·0199	.6834	18.29.8	R	8 12 „
17	29.295	19 66	78.2.	9.41	78.5	.0238	.6840	18.29.6	B	9 12 „
18	28.474	19.57	78.2	9.41	78.5	.0222	.6840	18.29 8	B	10 12 „
19	27·309	19.83	78.9	9.35	78·9	.0264	.6833	18.29.0	B	11 12 „
20	27.446	19.81	79·4	9.36	79.2	.0261	.6829	18.2 .8	B	Noon.
21	27.925	19 89	79·9	9.39	80.0	.0274	.6837	18.29.1	C	1 12 p.m.
22	28.062	19.76	79·9	9.35	80.0	.0253	.6833	18·29.1	C	2 12 „
23	28.062	19.75	79·9	9.30	79.9	.0251	.6828	18.28.9	C	3 12 „
Aug. 20th-Noon.	29.159	19.69	80.0	9·34	80.0	.0243	.6832	18.29·2	C	4 12 „
1	30.185	19.90	80.0	9.30	80.0	.0275	.6828	18.28.6	R	5 12 „
2	29.227	19.91	79.3.	9.35	80.0	.0277	·6833	18·28.8	R	6 12 „
3	28.816	19.77	79.0	9.39	79.6	.0255	.6837	18 29.2	R	7 12 „
4	28.610	19.72	79.0	9.38	79.4	.0246	.6836	18·29.2	R	8 12 „
5	28.679	19.73	79.0	9.38	79·4	.0248	.6836	18.29·2	B	9 12 „
6	28.884	19.78	79.0	9.44	79.5	.0256	·6843	18.29.3	B	10 12 „
7	28.747	19.93	79.1	9.39	79.5	.0280	.6837	18.29.0	B	11 12 „
8	29.021	19.87	79.2	9·39	79.6	.0271	.6837	18·29·1	B	Midnight.
9	29.227	19.86	79.2	9.39	79.7	·0269	·6837	18.29.1	C	1 12 a. m.
10	29.227	19.88	79.1	9.37	79.6	·0272	.6835	18·29.0	C	2 12 „
11	29.706	19.74	78.3	9.39	78.9	.0250	.6837	18 29·3	C	3 12 „
12	29.706	19.94	78.7	9.37	79.1	.0252	.6835	18.28·9	C	4 12 „
13	30.390	20.02	79.0	9.35	79.0	.0295	.6833	18.28·5	R	5 12 „
14	33.198	20.09	79.0	9.36	79.2	.0307	.6834	18.28·4	R	6 12 „
15	34.636	20·22	79.0	9.34	79.3	.0328	.6832	18.28.0	R	7 12 „
16	33.882	20.61	79.5	9.29	79.5	.0392	.6825	18.27 0	R	8 12 „
17	30.870	20.92	79.8	9.28	79.9	·0442	.6825	18.26.4	B	9 12 „
18	28.199	21.05	80.5	9.29	80.2	·0464	.6826	18.26.1	B	10 12 „
19	27.247	20.90	80.5	9.26	80.2	.0439	.6823	18.26.3	B	11 12 „
20	26.830	20.91	81.1	9.28	81.0	.0441	.6825	18.26·4	B	Noon.
21	27.104	20.56	81.2	9.33	81.1	.0384	.6831	18·27.4	C	1 12 p.m.
22	27.583	20.57	81.8	9.36	81.9	.0386	.6834	18.27.3	C	2 12 „
23	28.884	20.16	81·9	9.38	82.0	.0313	·6836	18.28·3	C	3 12 „
Aug. 21st-Noon.	29.774	20·17	81.8	9.40	82.0	.0320	.6839	18.28.4	C	4 12 „
1	30.596	19.94	81.2	9·35	81.8	.0282	.6833	18.28.8	R	5 12 „
2	29 774	20.21	80·9	9.35	81.5	.0327	·6833	18.28.1	R	6 12 „
3	29.432	19.88	80.6	9.33	81·0	.0272	.6831	18.28.8	R	7 12 „
4	29.090	19.79	80·3	9.38	81.0	·0253	.6836	18.29.1	R	8 12 „
5	28.679	19·78	80.2	9.37	80.8	.0256	.6835	18.29.1	B	9 12 „
6	28.679	19.92	80·1	9.34	80·6	·0278	.6832	18.28·7	B	10 12 „
7	28.679	19.92	80.1	9 37	80·6	.0278	.6835	19.28·9	B	11 12 „
8	28.884	19·98	79.9	9.37	80.5	.0288	.6835	18.28.7	B	Midnight.
9	28·679	19.94	79.5	9.38	80.2	.0282	.6836	18.28.9	C	1 12 a. m.
10	29·090	19.96	79.5	9.38	80.0	.0285	.6836	18.28.7	C	2 12 „
11	29.364	19.95	79·7	9.40	80.0	.0283	.6839	18.29.0	C	3 12 „
12	29.364	19.98	79.6	9.44	79.9	.0288	.6843	18.29.0	C	4 12 „
13	29·774	19·98	79.6	9.45	80.0	.0288	.6844	18.29.0	R	5 12 „
14	31.284	20.18	79.6	9.48	80.0	.0321	.6847	18.28.8	R	6 12 „
15	33.198	20.24	79.5	9.40	80.0	.0332	.6839	18.28.3	R	7 12 „
16	32·376	20.50	79.7	9.40	80.0	.0374	.6839	18.27.8	R	8 12 „
17	30.116	20.77	80.2	9.36	80.3	.0419	.6834	18.26.9	B	9 12 „
18	27·514	20.98	80.8	9.32	80.7	.0452	.6830	18.26.4	B	10 12 „
19	26 282	20·93	81.6	9.33	81.1	.0444	.6831	18.26.6	B	11 12 „
20	26.008	20.85	82.1	9.31	81.6	.0431	.6829	18·26.6	B	Noon.
21	26.762	20 53	82·4	9.36	82.1	·0379	.6834	18.27·5	C	1 12 p.m.
22	27·857	20.55	82.0	9.36	82.0	.0382	.6834	18.27.5	C	2 12 „
23	28.953	20.41	82.0	9.34	82.0	.0360	.6832	18·27.6	C	3 12 „

On the 19th, at about 19h. 35m., Dip as obtained by Observation was 19° 08′1.

DAILY OBSERVATIONS, FROM 22ND TO 25TH AUGUST 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Aug. 22nd-Noon.	30°253	20.04	81°8	9.28	81°9	8.0299	2.6825	18°23'2	C	4 12 p. m.
1	30.733	19.70	81.0	9.23	81.1	.0243	.6820	18.28.8	R	5 12 „
2	29.911	19.64	80.7	9.23	81.0	.0235	.6820	18.28.8	R	6 12 „
3	28.953	19.74	80.5	9.23	81.0	.0250	.6820	18.28.6	R	7 12 „
4	29.159	19.67	80.1	9.32	80 6	.0240	.6830	18.29.2	R	8 12 „
5	29.159	19.74	80.1	9.30	80.6	.0250	.6828	18.28.9	B	9 12 „
6	29.159	19.84	79.6	9 27	80 2	.0266	.6824	18.28.5	B	10 12 „
7	29.501	19.67	79 8	9.27	80.3	.0240	.6824	18.28.9	B	11 12 „
8	28.953	19.96	79.8	9.27	80.2	.0285	.6824	18 28.2	B	Midnight.
9	28.405	19.99	79.7	9.34	80.1	.0290	.6832	18.28.5	C	1 12 a. m.
10	28.953	19.93	79.6	9.30	80.0	.0280	.6828	18.28.6	C	2 12 „
11	29.021	20.01	79.5	9.30	80.0	.0294	.6828	18.28.4	C	3 12 „
12	29.159	19 99	79.5	9.40	80.0	.0290	.6839	18.28.8	C	4 12 „
13	30.116	19.93	79.5	9.40	80.0	.0280	.6839	18.29 0	R	5 12 „
14	31.897	20.04	79 5	9.50	80.0	.0299	.6850	18.29.2	R	6 12 „
15	32.924	20.22	79.7	9.50	80.0	.0328	.6850	18 28.8	R	7 12 „
16	32.444	20.12	80.0	9.30	80.0	.0311	.6828	18.28.2	R	8 12 „
17	30.253	20.46	80.5	9.27	80.5	.0368	.6824	18.27.2	B	9 12 „
18	27.377	20.33	80.4	9.27	80.5	.0346	.6824	18.27.4	B	10 12 „
19	25 392	20.60	80.6	9.28	80.5	.0390	.6825	18.27.0	B	11 12 „
20	24.160	20.91	80.5	9.21	80.3	.0439	.6818	18.26.1	B	Noon.
21	24 602	20.78	81.0	9.32	80.8	.0420	.6829	18.26.7	C	1 12 p. m.
22	25 158	20.85	81.6	9.26	81.2	.0431	.6833	18.26.4	C	2 12 „
23	26.420	20.57	81.5	9.44	81.4	.0386	.6843	18.27.7	C	3 12 „
Aug. 23rd-Noon.	28.336	20.21	81.1	9.49	81.2	.0327	.6848	18.28.7	C	4 12 „
1	29.432	20.01	80.8	9.48	81.0	.0294	.6847	18.29.2	R	5 12 „
2	29 911	19 74	80.2	9 53	81.0	.0250	.6853	18.29.9	R	6 12 „
3	29 501	19 93	79.9	9.60	80.0	.0280	.6861	18.29.8	R	7 12 „
4	29.090	19.92	79.0	9.60	80.0	.0278	.6861	18.29.8	R	8 12 „
5	28.884	19.92	79.0	9.64	79.8	.0278	.6865	18.30.0	B	9 12 „
6	29.159	19.85	79.3	9.65	79.9	.0267	.6866	18.30.1	B	10 12 „
7	29.227	20.02	79.5	9 65	79.9	.0295	.6866	18.29.7	B	11 12 „
8	28 953	19.95	79.4	9.64	79.7	.0283	.6865	18.30.0	B	Midnight.
9	28.884	19 98	79.1	9.64	79.5	.02 8	.6865	18.29.8	C	1 12 a. m.
10	28.' 53	19.97	79.1	9.63	79.6	.0287	.6864	18.29.7	C	2 12 „
11	29.159	20.07	79.1	9.64	79.4	.0304	.6865	18.29.7	C	3 12 „
12	29.432	20.03	79.1	9 61	79.5	.0297	.6862	18.29.5	C	4 12 „
13	30.116	20 07	79.0	9.64	79.5	.0304	.6865	18.29.7	R	5 12 „
14	32.239	20.14	79.0	9.61	79.5	.0315	.6862	18.29.2	R	6 12 „
15	32.718	20.36	79.0	9.62	79.0	.0351	.6863	18.28.9	R	7 12 „
16	32.033	20.81	79.2	9.58	79.2	.0425	.6858	18.27.8	R	8 12 „
17	30.116	21.27	80.1	9.59	79.7	.0501	.6859	18 26.9	B	9 12 „
18	26.899	21.55	79 6	9.51	79 6	.0546	.6851	18.25.9	B	10 12 „
19	24 639	21.35	80.1	9.45	80.0	.0513	.6844	18.26.2	B	11 12 „
20	24 708	21.12	81.1	9.30	80.6	.0475	.6828	18.26.0	B	Noon.
21	25.529	21.12	81.5	9 48	81.1	.0475	.6847	18.26.8	C	1 12 p. m.
22	26.899	21.02	81.8	9.54	81.4	.0459	.6854	18.27.2	C	2 12 „
23	28.336	20.76	82.0	9.52	81.7	.0417	.6852	18.27.6	C	3 12 „
Aug. 25th-Noon.	28 610	20.07	81.8	9 72	82.0	.0304	.6874	18.30.0	R	4 12 „
1	28 747	20.12	81.4	9.68	82.0	.0311	.6869	18.29.7	R	5 12 „
2	28.747	20.23	81.0	9 64	81.2	.0330	.6865	18.29.3	R	6 12 „
3	29.227	19.88	80.8	9.63	81.0	.0272	.6864	18.30.0	R	7 12 „
4	29.090	20.12	80.6	9.63	81.0	.0311	.6864	18.29.5	R	8 12 „
5	29.159	20.15	80.6	9.58	81.0	.0316	.6858	18.29.2	B	9 12 „
6	28.474	20.09	80.3	9.57	89.7	.0307	.6857	18.29.4	B	10 12 „
7	28.474	20.10	80.1	9.47	80.5	.0308	.6846	18.28.9	B	11 12 „
8	28.679	20.12	80.1	9.37	80 5	.0311	.6835	18.28.5	B	Midnight.
9	28.679	20.08	80 0	9.39	80.5	.0305	.6837	18.28.6	C	1 12 a. m.
10	28.679	20.14	80.0	9.31	80 4	.0315	.6829	18.28.0	C	2 12 „
11	28.884	20 12	79 8	9.86	80.1	.0311	.6834	18.28.4	C	3 12 „

DAILY OBSERVATIONS, FROM 24TH TO 27TH AUGUST 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Aug. 25th—12	29·090	20.11	79·8	9.44	80·0	8.0310	2.6343	18°28'8	C	4 12 a. m.
13	29.911	20.14	79.6	9.50	80·0	.0315	.6850	18.28.9	R	5 12 „
14	32.855	20.07	79·8	9.50	80.0	.0304	.6850	18.29·2	R	6 12 „
15	34.704	20.02	79.4	9.40	80 0	.0295	.6839	18.28·7	R	7 12 „
16	33.882	20.37	79.9	9.30	80·0	.0353	.6828	18·27.6	R	8 12 „
17	31.828	20,90	80.3	9·11	80.3	.0439	.6807	18.25 7	B	9 12 „
18	28.963	21.27	80.6	8.97	80.5	.0501	.6791	18·24.2	B	10 12 „
19	26.762	21·37	80.9	9.02	80.6	.0517	.6797	18.24.2	B	11 12 „
20	25.871	21·26	81.4	9.03	81.0	.0499	.6798	18.24 5	B	Noon.
21	25 323	21.17	81·2	9.00	81.2	.0484	.6795	18.24.7	C	1 12 p. m.
22	26 693	21.20	81.8	9.01	81.5	.0489	.6796	18.24.5	C	2 12 „
23	27·994	20.85	81.6	9.00	81.7	.0431	.6795	18.25.3	C	3 12 „
Aug. 26th-Noon.	29.364	20.60	80.7	9.03	81.0	.0390	.6798	18.25 9	C	4 12 „
1	30.116	20.49	80.5	9.02	80.5	·0373	.6797	18.26.2	R	5 12 „
2	29.432	20 36	80.2	9·02	80.5	·0351	.6797	18.26.4	R	6 12 „
3	28.953	20·12	80.0	9.08	80.5	.0311	.6803	18.27.2	R	7 12 „
4	28.747	20.10	80·0	9.06	80·2	.0308	.6802	18.27.1	R	8 12 „
5	29.021	20.05	79.9	9.01	80.4	.0300	.6796	18.27.0	B	9 12 „
6	28.747	20.30	80.0	9 06	80.3	.0341	.6801	18.26.7	B	10 12 „
7	28.679	20.06	79.5	9·02	80.0	.0302	.6797	18.27·1	B	11 12 „
8	28.610	20.13	79.5	9.04	79.8	.0313	.6799	18·27.0	B	Midnight.
9	28.747	20·16	79 5	9.00	79.9	.0318	.6795	18.26.7	C	1 12 a. m.
10	28.953	20·16	79.2	9.07	79.5	·0318	.6802	18.26.9	C	2 12 „
11	29.159	20.11	78.9	9·08	79.4	.0310	.6803	18.27.2	C	3 12 „
12	29·159	20.03	78.1	9.06	78.8	.0297	.6801	18.27.2	C	4 12 „
13	29.638	20.23	78.8	9.07	79.0	.0330	.6802	18.26.8	R	5 12 „
14	31.486	20.32	78.7	9.12	79 0	.0344	.6808	18.27.0	R	6 12 „
15	31.828	20.45	78.7	9·07	79.0	.0366	.6802	18.26.3	R	7 12 „
16	29·774	20·72	79.0	9.07	79.0	·0410	.6802	18·25·8	R	8 12 „
17	27.789	20.88	79.3	8.96	79.3	.0436	.6790	18.25.0	B	9 12 „
18	28.666	20.96	79.5	8.99	79·5	.0449	.6793	18.24.9	B	10 12 „
19	24 503	21.03	79.6	9.05	79·7	.0461	·6800	18.25·1	B	11 12 „
20	24.423	20.98	80.2	9.05	80·1	.0452	.6800	18 25.2	B	Noon.
21	24.024	21.01	80 9	9.12	80.5	.0458	.6808	18.25.4	C	1 12 p. m.
22	26.008	20.95	81.4	9.15	80.9	.0447	.6811	18.25.6	C	2 12 „
23	27.720	20.82	82.0	9·13	81.8	.0426	.6809	18,25.8	C	3 12 „
Aug. 27th-Noon.	29.501	20.54	81.8	9·15	81.8	·0381	.6811	18.26.6	C	4 12 „
1	30.322	20.36	81.5	9.12	81.6	.0351	.6808	18·26.8	R	5 12 „
2	29.774	20.23	81.0	9·14	81.2	.0330	.6810	18.27 2	R	6 12 „
3	29.090	20.14	80.5	9.13	81.0	.0315	.6809	18.27.2	R	7 12 „
4	29.021	20.01	80.2	9.12	80.7	.0294	.6808	18.27.6	R	8 12 „
5	29.021	19.96	80·1	9.08	80.5	·0285	.6803	18.27.4	B	9 12 „
6	28.747	20.00	80.1	9.12	80.5	.0292	.6808	18.27.6	B	10 12 „
7	28·747	20.00	80.0	9.09	80.4	.0292	.6804	18.27.4	B	11 12 „
8	28.747	19.94	79.7	9.09	80.4	.0282	.6804	18.27.6	B	Midnight.
9	29.021	19.97	79.6	9.04	80.1	.0287	.6799	18.27.2	C	1 12 a. m.
10	28.679	20.09	79.6	9·08	80.1	.0307	.6803	18.27 2	C	2 12 „
11	28 747	20.21	79.7	9.08	80.0	.0327	·6803	18.26 9	C	3 12 „
12	29.090	20.14	79·5	9·06	79.9	.0315	.6801	18.26.9	C	4 12 „
13	29.774	20.16	79·5	8.90	80.0	.0318	.6784	18.26.2	R	5 12 „
14	31.965	20.11	79.5	8.92	80.0	.0310	.6786	18.26.5	R	6 12 „
15	32.718	20.07	79.0	8.88	79.3	.0304	.6781	18.26·4	R	7 12 „
16	31.828	20.35	79.6	8.89	79.6	.0349	.6782	18.25.7	R	8 12 „
17	29 843	20.78	80.4	8.85	80.3	.0420	.6778	18.24.7	B	9 12 „
18	26.967	21.01	80.2	8·80	80.1	.0458	.6773	18 24.0	B	10 12 „
19	24·571	21.30	81.6	8.75	80.8	.0505	.6767	18.24.2	B	11 12 „
20	24.639	21.33	82.4	8.70	81.5	.0510	.6762	18.22.9	B	Noon.
21	24.639	21.31	83.0	11·48*	82.5	.0507	.7067	18.34.9	C	1 12 p. m.
22	26.282	21·02	82.8	11.50	82.5	.0469	.7070	18.36.6	C	2 12 „
23	28.268	20·81	83.0	11.44	82 9	.0425	.7063	18.35.7	C	3 12 „

On the 26th, at about 19h. 30m., Dip as obtained by Observation was 19°07'5.

* Vertical Force adjusted at 21h. Göttingen Time.

DAILY OBSERVATIONS, FROM 28TH TO 30TH AUGUST 1861.

DATE. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1861.
h.										h. m.
AUG. 28TH-Noon.	29·774	20.60	82·7	11.29	82·9	8.0390	2.7046	18°35′6	C	4 12 p. m.
1	30·322	20.45	82.2	11.18	82.7	.0366	.7034	18.35.4	R	5 12 „
2	29.774	20·38	81.5	11.16	82.1	.0354	.7032	18.35.5	R	6 12 „
3	29·090	20.24	81.2	11.06	82.0	.0332	·7021	18.35.4	R	7 12 „
4	28·953	20.06	80.9	11.15	81.6	.0302	.7031	18.36.2	R	8 12 „
5	28.747	20.05	80.8	11.20	81.6	.0300	.7037	18.36.5	B	9 12 „
6	28.747	20.06	80.6	11.30	81.5	.0302	.7048	18.36.9	B	10 12 „
7	28.953	20.13	80.5	11.30	81.5	.0313	.7048	18.36.8	B	11 12 „
8	28.816	20.15	80.2	11.33	81.1	.0316	.7051	18.36.7	B	Midnight.
9	28.884	20.15	79.9	11.40	80.7	.0316	.7059	18·37·0	C	1 12 a. m.
10	29.021	20.15	79.8	11.37	80.4	.0316	.7055	18.36.9	C	2 12 „
11	28.884	20.23	79.8	11.41	80·3	.0330	.7060	18 36.9	C	3 12 „
12	28.747	20.30	79.7	11.41	80.2	.0341	.7060	18.36·8	C	4 12 „
13	29.638	20·35	79·5	11.40	80.0	·0349	.7059	18.36.6	R	5 12 „
14	31.828	20 29	79.5	11.23	80.0	.0340	.7045	18.36.3	R	6 12 „
15	32·513	20.32	79.7	11.25	80.0	.0344	.7042	18.36.1	R	7 12 „
16	31·281	20 55	80·0	11.20	80.0	.0382	.7037	18.35.5	R	8 12 „
17	28.884	20.79	80.3	11.11	80·3	.0422	.7027	18.34.5	B	9 12 „
18	26.625	21.29	81.4	11.13	80.9	.0504	·7029	18·33.5	B	10 12 „
19	25.187	21 37	81.7	11.28	81.3	.0517	.7045	18.33.9	B	11 12 „
20	24.639	21.31	82.8	11.30	82.1	.0507	.7048	18.34.2	B	Noon.
21	24.913	21.29	82.9	11·08	82.5	.0504	.7023	18.33.3	C	1 12 p. m.
22	26.077	21·34	83.0	11 12	82.8	.0512	.7028	18.33.4	C	2 12 „
23	27.466	21.17	82.8	11.18	82.8	.0484	.7034	18.34.0	C	3 12 „
AUG. 29TH-Noon.	29.159	20.99	83.0	11.15	83.1	.0454	.7031	18.34.2	C	4 12 „
1	29.364	20.61	82.0	11·11	82·6	.0392	.7027	18 34.9	R	5 12 „
2	29.090	20.58	81.5	11.06	82.0	.0387	.7021	18.34.6	R	6 12 „
3	28.405	20.45	81.1	11.10	82·0	.0366	.7026	18·35.1	R	7 12 „
4	28.405	20.33	81.0	11.15	81.5	.0346	.7031	18.35.5	R	8 12 „
5	28.610	20.34	80.8	11.19	81.5	.0348	.7035	18.35.7	B	9 12 „
6	28.610	20 28	80.7	11.16	81.4	.0338	.7032	18.35.7	B	10 12 „
7	28·747	20.31	80.6	11·16·	81.3	.0343	.7032	18.35.7	B	11 12 „
8	29.090	20·27	80.5	11·15	81.1	.0337	.7031	18·35.7	B	Midnight.
9	29.090	20.31	80.2	11.15	80·9	.0343	.7031	18.35.7	C	1 12 a. m.
10	29·090	20·29	80.1	11.14	80.8	.0340	.7030	18.35.7	C	2 12 „
11	29.090	20 29	79.8	11.13	80.2	.0340	·7029	18.35.6	C	3 12 „
12	29.159	20.41	79.8	11.25	80.1	.0360	.7042	18.35.8	C	4 12 „
13	29.432	20·32	79.3	11.30	80.0	.0344	.7048	18.36.4	R	5 12 „
14	30.773	20.39	79.0	11.29	79.6	.0356	.7046	18.36.0	R	6 12 „
15	31.486	20.49	78.7	11.27	79.1	.0373	.7044	18·35.8	R	7 12 „
16	30.596	21.07	79.0	11.27	79.0	.0468	.7044	18.34.5	R	8 12 „
17	29.159	21.49	79.4	11.21	79.6	.0537	·7038	18.33.4	B	9 12 „
18	27.925	21·61	79.4	11·21	79.5	.0556	.7038	18.33.1	B	10 12 „
19	26.282	21.96	79.5	11.21	79·5	.0613	.7038	18.32.5	B	11 12 „
20	25.108	22.13	80.5	11.22	80.0	.0641	.7039	18.32.1	B	Noon.
21	25.187	21.87	80 6	11.30	80.0	.0599	.7048	18.33.0	C	1 12 p. m.
22	26.693	21.42	80.0	11.34	80.0	.0525	.7052	18.34.0	C	2 12 „
23	28.131	20.89	79·1	11.39	79.5	.0438	.7057	18.35.5	C	3 12 „
AUG. 30TH-Noon.	29.569	20.50	78.9	11.36	79.2	.0374	.7054	18.36.2	C	4 12 „
1	29.911	20.32	79.0	11.30	79.1	.0344	.7048	18.36.4	R	5 12 „
2	28.884	20.24	78.7	11.27	79.0	.0332	.7044	18.36.3	R	6 12 „
3	28.542	20·25	78·8	11.27	79.0	.0333	.7044	18.36.3	R	7 12 „
4	29.569	20.22	79.0	11.27	79.0	.0328	.7044	18.36.3	R	8 12 „
5	28.542	20.39	79.0	11.26	79.2	.0356	.7043	18.35.9	B	9 12 „
6	28.542	20·40	79.2	11.23	79.4	.0358	.7040	18.35.8	B	10 12 „
7	28.679	20.25	79.2	11.24	79.4	.0335	.7041	18.36.1	B	11 12 „
8	28.679	20.28	79.1	11.23	79.4	.0338	.7040	18.36.1	B	Midnight.
9	28.953	20·39	79.1	11.20	79.4	·0356	.7037	18.35.7	C	1 12 a. m.
10	29·090	20.38	79.0	11.23	79.4	.0354	.7040	18.35.9	C	2 12 „
11	29 090	20.42	79.0	11.29	79.5	.0361	.7046	18 36.0	R	3 12 „

On the 29th, at about 19h. 20m., Dip as obtained by Observation was 19°07′5.

DAILY OBSERVATIONS, FROM 30TH AUGUST TO 2ND SEPTEMBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Aug. 30th—12	29·501	20.44	78°7	11.27	79°0	8.0365	2.7044	18°35′8	R	4 12 a. m.
13	29.843	20.43	78.5	11.26	78.7	.0366	.7043	18.35.8	B	5 12 „
14	31.213	20.44	78.5	11.27	78.7	.0365	.7044	18.35.8	B	6 12 „
15	32.102	20.42	79.0	11.27	79.0	.0361	.7044	18.35.9	C	7 12 „
16	31·828	20.70	79 6	11.28	79.6	.0407	.7045	18.35.4	C	8 12 „
17	29·911	21.10	80.0	11.20	80.0	.0472	.7037	18.35.3	R	9 12 „
18	28.405	21.19	80.0	11.19	80 0	.0487	.7035	18.33.9	R	10 12 „
19	27.309	21.35	80·4	11.21	80.2	.0513	.7038	18.33.8	B	11 12 „
20	26.830	21.40	80.9	11.21	80.6	.0522	.7038	18.33.6	B	Noon.
21	26.625	21.37	80.7	11.21	80.5	.0517	.7038	18.33.6	C	1 12 p. m.
22	26.967	21.27	80.9	11.25	80.9	.0501	.7042	18.34.0	C	2 12 „
23	28.062	21.11	80.7	11.27	80.8	.0474	.7044	18.34.5	R	3 12 „
Sept. 1st-Noon.	29.501	21.01	82.0	11.17	82.4	.0458	.7033	18.34 2	C	4 12 „
1	29.432	20.77	81.4	11.17	82.4	.0419	.7033	18.34.7	C	5 12 „
2	28.199	20.71	80.9	11.11	82.0	.0409	.7027	18.34.7	C	6 12 „
3	28.062	20.56	80.6	11.05	81.6	.0384	.7020	18.34.8	C	7 12 „
4	28.405	20.49	80.5	11.11	81.4	.0373	.7027	18.35.2	C	8 12 „
5	28.747	20.44	80.5	11.05	81.0	.0365	.7020	18.34.9	R	9 12 „
6	28.542	20.49	80.4	11.11	81.0	.0373	.7027	18.35 2	R	10 12 „
7	28.542	20.51	79.8	11.06	80.5	.0376	.7021	18.34.8	R	11 12 „
8	28.474	20.80	80.0	11.12	80.5	.0428	.7028	18.34 5	R	Midnight.
9	28.747	20.87	79.9	11.07	80.5	.0435	.7022	18.34.0	B	1 12 a.m.
10	28.542	20.80	79.9	11.08	85.5	.0423	.7023	18.34.3	B	2 12 „
11	29.432	20.44	79.7	11.12	80.5	.0365	.7028	18.35.2	B	3 12 „
12	29.364	20.47	79.6	11.10	80.3	.0370	.7026	18.35.1	B	4 12 „
13	29.501	20.45	79.6	11.10	80.0	.0366	.7026	18.35.1	C	5 12 „
14	31.760	20.00	79.8	11.12	80.0	.0292	.7028	18.36.2	C	6 12 „
15	32.718	20.04	79.9	11.12	80.0	.0299	.7028	18.36.1	C	7 12 „
16	32.102	20.13	80.2	11.05	80.3	.0313	.7020	18.35.7	C	8 12 „
17	29.227	20.53	81.0	11.05	80 9	.0379	.7020	18.34.8	R	9 12 „
18	27.104	20.96	82.0	11.04	81.2	.0449	.7019	18.33.7	R	10 12 „
19	26.214	20.79	81·6	11.07	81.7	.0422	.7022	18.34.2	R	11 12 „
20	26.282	20.62	81.5	11.08	82.0	.0393	.7023	18.34.7	R	Noon.
21	27.104	20.57	82.1	11.16	82.1	.0386	.7032	18.35 0	B	1 12 p. m.
22	27.867	20.49	83.1	11.23	82.6	.0373	.7040	18.35.7	B	2 12 „
23	29.501	20.51	83.3	11.24	82.9	.0376	.7041	18.35.6	B	3 12 „
Sept. 2nd-Noon.	30.048	20.45	83.0	11.12	83.4	.0366	.7028	18.35.2	B	4 12 „
1	29 774	20.28	82.3	11.19	83.0	.0338	.7035	18.35 9	C	5 12 „
2	28.747	20 15	81.7	11.12	82.6	.0316	.7028	18.35.8	C	6 12 „
3	28.474	20.00	81.1	11.07	82 3	.0292	.7023	18.36.0	C	7 12 „
4	28.542	19 99	81.0	11.02	82.0	.0290	.7017	18.35.8	C	8 12 „
5	28.953	20.27	81.0	11.05	81.7	.0337	.7020	18.35.3	R	9 12 „
6	29.090	20.16	80.9	11.04	81.4	.0318	.7019	18.35.4	R	10 12 „
7	29.090	20.24	80.8	11.03	81.1	.0332	.7018	18.35.3	R	11 12 „
8	29.021	20.32	80.7	11.03	81.0	.0344	.7018	18.35.2	R	Midnight.
9	29.227	20.40	80.6	11.03	81.1	.0358	.7018	18.34.9	B	1 12 a. m.
10	29.569	20.19	80.4	11.03	80.9	.0323	.7018	18.35.4	B	2 12 „
11	29.569	20.35	80.3	11.03	80.9	.0349	.7018	18.35.0	B	3 12 „
12	29.569	20.45	80.3	11.02	80.6	.0366	.7017	18.34.8	B	4 12 „
13	30.322	20.40	80.1	11.02	80.8	.0358	.7017	18.34 9	C	5 12 „
14	31.897	20.32	80.1	11.02	80.8	.0344	.7017	18.35.2	C	6 12 „
15	32.513	20.39	80.0	11.02	80.8	.0356	.7017	18.34.9	C	7 12 „
16	31 760	20.76	80.8	11.02	80.8	.0417	.7017	18.34.1	C	8 12 „
17	29.774	21.10	80.2	10.87	80.7	.0472	.7000	18 32.8	R	9 12 „
18	27.172	21.12	81.9	10.88	81.0	.0475	.7001	18.32.7	R	10 12 „
19	26.214	21.45	82 2	10.91	82.0	.0530	.7005	18.32.2	R	11 12 „
20	25.871	21 56	82.6	10.91	82.0	.0548	.7005	18.31.9	R	Noon.
21	26.351	21.53	83.0	10.96	82.6	.0543	.7010	18.32.3	B	1 12 p. m.
22	27.309	21.25	83.0	10.88	82.6	.0497	.7001	18.32.4	B	2 12 „
23	28.816	20.71	82.8	11.05	82.6	.0409	.7018	18.34.3	B	3 12 „

On the 2nd, at about 19h. 30m., Dip as obtained by Observation was 19°06′.9

DAILY OBSERVATIONS, FROM 3RD TO 5TH SEPTEMBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
SEPT. 3RD-Noon.	30·459	20.34	82°5	11.06	82°7	8.0348	2.7021	18°35′1	B	4 12 p.m.
1	30.733	20.25	82.0	11.02	82.6	·0333	.7017	18.35.3	C	5 12 „
2	29.432	20.17	81.3	10.97	82.2	.0320	.7011	18.35.1	C	6 12 „
3	29.295	20.03	81.0	10.96	82·0	.0297	.7010	18.35.4	C	7 12 „
4	29·638	19.69	80.0	10.98	80·9	.0243	.7012	18.36.2	C	8 12 „
5	29.911	19 87	80.2	11.02	80.8	.0271	.7017	18.36.1	R	9 12 „
6	29.432	19.85	80.6	11.02	80.7	.0267	.7017	18.36.1	R	10 12 „
7	29.432	19.84	80.5	11.03	80 9	.0266	·7018	18.36.1	R	11 12 „
8	29.706	19.89	80.5	10.83	80.9	.0274	.7096	18.35.2	R	Midnight.
9	29.569	20.16	80.5	10.90	80.8	.0318	.7004	18.34.8	B	1 12 a. m.
10	29·295	20.20	80.5	10.87	80.8	.0325	.7000	18.34 6	B	2 12 „
11	29·706	20·13	80.2	10.90	80.6	.0313	.7004	18.35.0	B	3 12 „
12	29 843	20.16	80.2	10.90	80.6	.0318	·7004	18.34.8	B	4 12 „
13	30.390	20.24	80.0	10.92	80.5	.0332	.7006	18.34.8	C	5 12 „
14	32.239	20·25	80.0	10.91	80.4	.0333	.7005	18.34.8	C	6 12 „
15	32.855	20.45	80.0	10.85	80.1	.0366	.6998	18.34.0	C	7 12 „
16	31.007	20.88	80.7	10.81	80.4	.0436	.6994	18.32.9	C	8 12 „
17	28.542	21.05	81.0	10 67	81.0	.0464	.6978	18.32.0	R	9 12 „
18	26 693	21.28	81.7	10.68	81.0	.0502	.6979	18 31.5	R	10 12 „
19	25.560	21.35	82 5	10 56	82.0	.0513	.6966	18.30.9	R	11 12 „
20	24.639	21.37	83.0	10.55	82.1	.0517	.6965	18.30.7	R	Noon.
21	25.050	21.30	83.3	10.63	82.6	.0515	.6974	18.31.2	B	1 12 p. m.
22	26 145	21.09	83 5	10.64	82.9	.0471	.6975	18.31.8	B	2 12 „
23	27.651	20.92	83.3	10.67	83·1	.0442	.6979	18.32.3	B	3 12 „
SEPT. 4TH-Noon.	29.159	20.77	82.9	10.69	82.9	.0419	.6980	18.32.6	B	4 12 „
1	29.569	20.54	82.1	10.62	82.5	.0381	.6973	18·33.8	C	5 12 „
2	29.227	20.37	81.7	10.61	82·4	.0353	.6972	18.33.1	C	6 12 „
3	28.474	20.30	81.3	10.56	81.9	.0341	.6966	18·33.1	C	7 12 „
4	28.610	20.15	81.1	10.55	81.8	.0316	.6965	18.33·3	C	8 12 „
5	28 474	20.15	81.1	10·54	81.2	.0316	.6964	18.33.2	R	9 12 „
6	28.816	20.25	81 0	10.53	81.0	.0333	.6963	18.33.1	R	10 12 „
7	28.953	20.28	80.9	10.63	81.0	.0338	.6974	18.33.4	R	11 12 „
8	29.159	20.21	80.9	10.63	81.0	.0327	.6974	18 33 5	R	Midnight.
9	29.774	20.06	80.6	10.63	81.0	.0302	.6974	18.33.9	B	1 12 a. m.
10	29 970	20.06	80.6	10.67	81.0	.0302	.6978	18.34.1	B	2 12 „
11	29 843	20.07	80.5	10.63	80.9	.0304	.6974	18.33.9	B	3 12 „
12	29.843	20.19	80.5	10.60	80.8	.0323	.6971	18.33.5	B	4 12 „
13	30.528	20.17	80.4	10.67	80.7	.0320	.6978	18.33.9	C	5 12 „
14	32·513	20·07	80.4	10.66	80.7	.0304	.6977	18.34.1	C	6 12 „
15	33.267	20.39	80.5	10.67	80.6	.0356	.6978	18.33·3	C	7 12 „
16	31.965	20.62	80.7	10 72	80.6	.0393	.6984	18.33.1	C	8 12 „
17	29.090	20.88	81.0	10 63	81.0	.0436	.6974	18.32.1	R	9 12 „
18	27.104	20 95	81 4	10·83	81.0	.0447	.6996	18.32.8	R	10 12 „
19	25.735	20.94	81.4	10.83	81.0	·0446	.6996	18.32.8	R	11 12 „
20	24.913	21.05	82·0	10.95	81.6	·0464	.7009	18.33.2	R	Noon.
21	25.560	20·99	82·6	11.04	82·1	.0454	.7019	18.33.7	B	1 12 p. m.
22	26.556	20.75	83.0	11 06	82.8	.0415	.7021	18 34.2	B	2 12 „
23	28·268	20.29	82.9	11.08	82.6	.0340	.7023	18.35.4	B	3 12 „
SEPT. 5TH-Noon.	29.459	20.32	82.6	11.09	82.5	.0344	.7024	18.35.4	B	4 12 „
1	29.021	20.33	82.0	11.00	82.1	.0346	.7015	18.34.9	C	5 12 „
2	28.405	20.29	81.5	11.01	82·0	.0340	.7016	18.35.1	C	6 12 „
3	28.542	20.17	81.2	11.01	81.8	.0320	.7016	18.35.3	C	7 12 „
4	29.816	19·99	81.0	11.05	81.5	.0290	.7020	18.35.9	C	8 12 „
5	28.474	20.09	81.0	11.03	81.1	.0307	.7018	18.35.6	R	9 12 „
6	28.953	20.23	81.0	11.13	81.0	.0330	.7029	18.35.7	R	10 12 „
7	29.090	20.21	81.0	11.13	81.0	.0327	.7029	18.35.7	R	11 12 „
8	29.090	20.21	80.9	11.13	81.0	.0327	·7029	18.35.7	R	Midnight.
9	29.159	20.15	80.8	11.13	81.0	.0316	.7029	18.35.8	B	1 12 a. m.
10	29.227	20.19	80.6	11.13	81·0	.0323	.7029	18.35.8	B	2 12 „
11	29.364	20.27	80.6	11.15	81.0	.0337	.7031	18.35 7	B	3 12 „

DAILY OBSERVATIONS, FROM 5TH TO 8TH SEPTEMBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Sept. 5th—12	29·638	20.22	80°6	11.15	81°0	8.0328	2.7031	18°35′8	B	4 12 a. m.
13	30.185	20.22	80·0	11.12	80.5	.0328	.7028	18.35.7	C	5 12 „
14	31.897	20.20	80·0	11.20	80·5	.0325	.7037	18.36.1	C	6 12 „
15	33.061	20.19	80.2	11.21	80·4	.0323	.7038	18.36.2	C	7 12 „
16	32.239	20.44	80.6	11.12	80.6	.0365	.7028	18.35.2	C	8 12 „
17	30.801	20.70	81.3	11.03	81.0	.0407	.7018	18.34.3	R	9 12 „
18	28.542	20.81	82.0	11.00	81.5	.0425	.7015	18.33.9	R	10 12 „
19	26·008	20.91	82.9	11.02	82.0	.0441	.7017	18.33.9	R	11 12 „
20	25.187	20.95	83.5	11.00	82·7	.0447	.7015	18.33.6	R	Noon.
21	25.666	20.50	83.6	11.03	82.9	.0374	.7017	18.34.8	B	1 12 p. m.
22	27.172	20.50	83.9	11.09	83.1	.0374	.7024	18.35.0	B	2 12 „
23	29.021	20.40	83.7	11·12	83.3	.0358	.7028	18.35.3	B	3 12 „
Sept. 6th-Noon.	29.774	20.28	83.5	11.12	83.4	.0338	.7028	18.35.6	B	4 12 „
1	29.569	20.17	82.9	11.10	83.2	.0320	.7026	18.35.7	C	5 12 „
2	28.542	20.23	82.4	11.09	82.9	.0330	.7013	18.35.1	C	6 12 „
3	28.542	19.99	81.9	11.00	82.5	.0290	.7015	18.35.7	C	7 12 „
4	28.747	20.00	81.6	11.05	82.2	.0292	.7020	18.35.9	C	8 12 „
5	28.679	20.07	81.5	11.06	82.0	.0304	.7021	18.35.8	R	9 12 „
6	29.021	20.10	81.4	11.06	82.0	.0308	.7021	18.35.7	R	10 12 „
7	29.021	20.10	81.4	11.02	81.7	.0308	.7017	18.35.6	R	11 12 „
8	29.159	20.02	81.1	11.03	81.6	.0295	.7018	18.35.7	R	Midnight.
9	29.227	20.04	81.1	11.01	81·6	.0299	.7016	18.35.6	B	1 12 a. m.
10	29·638	20.02	81.0	11.05	81.5	.0295	.7020	18.35 8	B	2 12 „
11	29.569	20.22	81.0	11.05	81.5	.0328	.7020	18.35.4	B	3 12 „
12	29.638	20.19	80.9	11.04	81.3	.0323	.7019	18.35.4	B	4 12 „
13	30.048	20.14	80.8	11.04	81.2	.0315	.7019	18.35.3	C	5 12 „
14	31.692	20.16	80.8	11.03	81.1	.0318	.7018	18.35.4	C	6 12 „
15	32.855	20.26	80.8	11.03	81.0	.0335	.7018	18.35 2	C	7 12 „
16	31.623	20.57	80.9	11.03	81.0	.0386	.7018	18.34 5	C	8 12 „
17	29.843	20.90	81.1	10.93	81.0	.0439	.7004	18.33.3	R	9 12 „
18	27.789	21.01	81.1	10.83	81.0	.0458	.6996	18.32.7	R	10 12 „
19	26.214	21.14	82.0	10.90	81.8	.0479	.7004	18.32.8	R	11 12 „
20	25.323	21.31	83.0	10.91	82.0	.0507	.7005	18 32.5	R	Noon.
21	25.871	21.24	83.5	10.93	82.7	.0496	.7007	18.32.7	B	1 12 p. m.
22	27.720	20.92	83.5	11.01	83.1	.0442	.7016	18.33.8	B	2 12 „
23	29.021	20.88	83.4	11.01	83.0	.0436	.7016	18.33.8	B	3 12 „
Sept. 8th-Noon.	29.364	20.48	83.6	11.05	83.3	.0371	.7020	18.34.9	C	4 12 „
1	29.706	20.28	82.0	10.81	82.2	.0338	.6994	18.34.2	C	5 12 „
2	29.706	19.79	80.5	10.72	81.4	.0253	.6984	18.34.8	C	6 12 „
3	29.227	19.75	80.0	10.73	81.0	.0251	.6985	18.35.0	C	7 12 „
4	28.884	19.83	80.0	10.79	80.9	.0264	.6991	18.35.1	C	8 12 „
5	28.542	20.07	80.0	10.83	80.9	.0304	.6985	18.34.4	R	9 12 „
6	29.090	20.01	80.0	10.82	80.7	.0294	.6984	18.34.4	R	10 12 „
7	29.432	19.99	79.1	10.80	80.0	.0290	.6982	18.34.3	R	11 12 „
8	28.610	20.48	79.1	10.85	80.0	.0371	.6987	18.35.6	R	Midnight.
9	29.432	20.11	79.5	10.95	80.0	.0310	.6998	18.34.8	B	1 12 a. m.
10	29.432	19.98	79.6	10.89	80.2	.0288	.6991	18.34.7	B	2 12 „
11	29.295	20.06	79.7	10.88	80.1	.0302	.6990	18.34.6	B	3 12 „
12	29.021	20.31	79.6	10.90	80.0	.0343	.6993	18.34.2	B	4 12 „
13	30.048	20.15	79.5	10.96	80.0	.0316	.6999	18.34.6	C	5 12 „
14	31.828	19.98	79.6	10.98	80.0	.0288	.7001	18.35.1	C	6 12 „
15	31.897	20.03	79.8	10.80	80.0	.0297	.6993	18.34.7	C	7 12 „
16	30.596	20.47	80.3	10·78	80.1	.0370	.6990	18.33.7	C	8 12 „
17	28.884	20.75	81.1	10.73	80.0	.0415	.6985	18.32.8	R	9 12 „
18	26.488	20.83	81.0	10.73	80.9	.0428	.6985	18.32.7	R	10 12 „
19	24.981	21.09	82.0	10.78	81.1	.0471	.6990	18.31.4	R	11 12 „
20	24.503	21.13	82 8	10.80	82.0	.0477	.6993	18.32.4	R	Noon.
21	24.708	21.08	83.2	10.88	82.5	.0469	.7001	18.32.8	B	1 12 p. m.
22	25.735	20.92	83.1	10.92	82.6	.0442	.7006	18.33.4	B	2 12 „
23	27.240	20.64	82.2	10.92	82.5	.0397	.7006	18.33.9	B	3 12 „

On the 5th, at about 19h. 45m., Dip as obtained by Observation was 19°11′9.
On the 6th, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 9TH TO 11TH SEPTEMBER 1861.

DATE. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1861.
h.										h. m.
SEPT. 9TH-Noon.	28·405	20.41	81·6	10.88	82°1	8.0360	2.7001	18°34'2	B	4 12 p. m.
1	28.747	20.23	81.0	10.86	81.4	.0330	.6999	18.34.5	C	5 12 ,,
2	29.021	20.18	79.6	10.87	80.5	.0321	.7000	18.34.7	C	6 12 ,,
3	28.747	20.07	79.3	10.88	80.0	.0304	.7001	18.35.0	C	7 12 ,,
4	29.090	20.08	79.5	10.90	79.9	.0305	.7004	18·35.0	C	8 12 ,,
5	28.884	20.05	79.5	10.80	79.9	.0300	.6993	18.34.7	R	9 12 ,,
6	28.884	20.05	79.7	10.80	79.9	.0300	.6993	18.34.7	R	10 12 ,,
7	29.021	20.15	79.7	10.88	80.0	.0316	.7001	18.34.7	R	11 12 ,,
8	29.090	20.18	79.6	10.79	79.8	.0321	.6991	18·34.3	R	Midnight.
9	29.364	20.19	79.5	10.81	79.8	.0323	.6994	18.34.4	B	1 12 a. m.
10	29.295	20.21	79.5	10.79	79.7	.0327	.6991	18.34.2	B	2 12 ,,
11	29.227	20·22	79.5	10.77	79.6	.0328	.6989	18.34.1	B	3 12 ,,
12	29.432	20.25	79.1	10·81	79.5	.0333	.6994	18.34.3	B	4 12 ,,
13	29.706	20.25	79.1	10.87	79.7	.0333	.7000	18.34.6	C	5 12 ,,
14	30.528	20.28	79.2	10.89	79.5	.0338	.7002	18·34.5	C	6 12 ,,
15	31.486	20.27	79.1	10.92	79.3	.0337	.7006	18.34.7	C	7 12 ,,
16	31.213	20.62	79.7	10.96	79.4	.0393	.7010	18.34.2	C	8 12 ,,
17	30.390	20.96	80.5	10.90	80.0	.0449	.7004	18.33.1	R	9 12 ,,
18	28.884	21.12	81.6	10.88	81.0	.0475	.7001	18.32.7	R	10 12 ,,
19	26.899	21.15	81.6	10.83	81.0	.0480	.6996	18.32.5	R	11 12 ,,
20	25.560	21.32	82.5	10.86	81.9	.0508	.6999	18.32.2	R	Noon.
21	25.392	21.35	83.1	10.88	82·5	.0513	.7001	18.32.3	B	1 12 p. m.
22	27.172	21.23	83·6	10.91	83.1	.0494	.7005	18.32.7	B	2 12 ,,
23	28.542	21.01	84.0	10.91	83.5	.0458	.7005	18.33.1	B	3 12 ,,
SEPT. 10TH-Noon.	29.364	20.75	83.8	10.90	83.7	.0415	.7004	18.33.5	B	4 12 ,,
1	29.501	20·63	83.2	10.86	83.9	.0395	.6999	18.33.6	C	5 12 ,,
2	29.090	20.55	82.3	10.82	83.3	.0382	.6995	18.33.8	C	6 12 ,,
3	28.953	20.44	81.9	10.78	82.8	.0365	.6990	18.33.7	C	7 12 ,,
4	29.090	20.33	81.5	10.80	82.6	.0346	.6993	18.34.0	C	8 12 ,,
5	29.090	20.28	81.0	10.76	82.0	.0338	.6988	18.34·0	R	9 12 ,,
6	28.747	20.31	80.9	10.75	81·5	.0343	.6987	18.34.0	R	10 12 ,,
7	28.816	20.31	80.6	10.73	81.0	.0343	.6985	18.33.9	R	11 12 ,,
8	28·884	20.31	80.5	10.73	81.0	.0343	.6985	18.33.9	R	Midnight.
9	28.747	20.30	80.0	10.77	80·6	·0341	.6989	18.34.0	B	1 12 a. m.
10	29.090	20·36	79.9	10.77	80.5	.0351	.6989	18.33.8	B	2 12 ,,
11	28.884	20.38	79.8	10.79	80.4	.0354	.6991	18·33.9	B	3 12 ,,
12	29·090	20.42	79.8	10.76	80.3	.0361	.6988	18.33.7	B	4 12 ,,
13	29.090	20.41	79.8	10.79	80·3	.0360	.6991	18.33.8	C	5 12 ,,
14	29.911	20.41	79.8	10.81	80.3	.0360	.6994	18.33.9	C	6 12 ,,
15	31.144	20.48	79.9	10.85	80.2	.0371	.6998	18.34.0	C	7 12 ,,
16	31·555	20.78	80.0	10.82	80.1	.0420	.6995	18·33.2	C	8 12 ,,
17	30.596	21.00	80.7	10.81	80.2	.0456	.6994	18.32.6	R	9 12 ,,
18	29.295	21.43	81.2	10.73	81.0	.0527	.6985	18.31.4	R	10 12 ,,
19	27.720	21.53	81.9	10.75	81.5	.0543	.6987	18.31.4	R	11 12 ,,
20	27.035	21.52	82.6	10.74	82.0	.0541	.6986	18.31.3	R	Noon.
21	27.466	21.37	83.2	10·79	82.9	.0517	.6991	18.31.7	B	1 12 p. m.
22	27·789	21.27	83.2	10.79	83.1	.0501	.6991	18.32.0	B	2 12 ,,
23	29.021	21.03	83.1	10.76	82.7	.0461	.6988	18.32.4	B	3 12 ,,
SEPT. 11TH-Noon.	30.048	20.88	82.5	10.85	82.5	.0436	.6998	18.33·1	B	4 12 ,,
1	29.970	20.66	82.0	10.72	82.2	.0400	.6984	18.33.0	C	5 12 ,,
2	28.953	20.61	81.6	10.68	82.0	.0392	.6979	18.32.9	C	6 12 ,,
3	28.679	20.40	81.4	10.67	81.9	.0358	.6978	18.33·3	C	7 12 ,,
4	28.747	20.24	81.0	10.73	81.7	.0332	.6985	18.34.0	C	8 12 ,,
5	29.159	20.28	80.9	10.71	81.0	.0338	.6985	18.33.8	R	9 12 ,,
6	28.747	20.40	80.7	10.73	81.0	.0358	.6985	18.33.6	R	10 12 ,,
7	29.090	20.37	80.5	10.63	80.6	.0353	.6974	18·33.2	R	11 12 ,,
8	29.090	20.34	80.5	10.67	80.5	.0348	.6978	18.33.4	R	Midnight.
9	29.227	20·30	80.3	10.68	80.5	.0341	.6979	18.33.6	B	1 12 a. m.
10	29.501	20·39	80.2	10.67	80.5	.0356	.6978	18.33.3	B	2 12 ,,
11	29.295	20.48	80.1	10.69	80.3	.0371	.6980	18.33.3	B	3 12 ,,

On the 9th, at about 19h. 45m., Dip as obtained by Observation was 19°00'0.

DAILY OBSERVATIONS, FROM 11TH TO 13TH SEPTEMBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Sept. 11th—12	29·432	20.46	79·9	10.71	80·3	8.0368	2.6983	18°33′4	B	4 12 a. m.
13	29.501	20.45	79.8	10·69	80.2	·0366	.6980	18.33.3	C	5 12 ,,
14	30.116	20.48	79.6	10.70	80.1	.0371	.6982	18.33.3	C	6 12 ,,
15	31·213	20.49	79.6	10.72	80.0	.0373	.6984	18.33.4	C	7 12 ,,
16	31·213	20.74	80.0	10.72	80.0	.0414	.6984	18.32·0	C	8 12 ,,
17	29.774	21.17	80.6	10.72	80·5	.0484	.6984	18.32.0	R	9 12 ,,
18	27.377	21.62	81.8	10.69	81·0	.0557	.6980	18.30.8	R	10 12 ,,
19	25.666	21.57	82.2	10.69	81.9	.0550	.6980	18.30.9	R	11 12 ,,
20	25·529	21.55	82.8	10.77	82.4	.0546	.6989	18.31.2	R	Noon.
21	26.420	21.36	83.4	10.84	83·1	.0515	.6997	18.32.0	B	1 12 p. m.
22	28.268	21.21	83.9	10.86	83.6	.0491	.6999	18.32.4	B	2 12 ,,
23	29.501	21.11	84.1	10.85	84.3	.0474	.6998	18·32.7	B	3 12 ,,
Sept. 12th-Noon.	29.501	21.01	83.8	10.81	84.2	.0453	.6994	18.32.6	B	4 12 ,,
1	29.159	20.70	83.2	10.74	84.0	.0407	.6986	18.33.0	C	5 12 ,,
2	28.474	20.77	82.6	10·73	83.6	.0419	.6985	18.32.8	C	6 12 ,,
3	28.405	20.57	82.0	10.72	83.2	.0384	.6984	18.33.3	C	7 12 ,,
4	28.405	20.55	81.8	10.72	82.7	.0382	·6984	18.33.3	C	8 12 ,,
5	28.336	20.68	81.7	10.72	82.5	.0403	.6984	18.33.0	R	9 12 ,,
6	28.542	20.53	81.3	10·67	82.2	.0379	.6978	18.33.1	R	10 12 ,,
7	28.542	20.63	81.0	10.68	82.0	.0395	.6979	18.32.8	R	11 12 ,,
8	28.884	20.65	81.0	10.70	82.0	.0398	.6982	18.32.9	R	Midnight.
9	28.953	20.67	80.8	10.70	81·8	.0402	.6982	18.32·9	B	1 12 a. m.
10	29.021	20·66	80.6	10·70	81.5	.0400	.6982	18.32.9	B	2 12 ,,
11	28.953	20.52	80.5	10.69	81.3	.0377	.6980	18.33.2	B	3 12 ,,
12	29.090	20.62	80·2	10.68	81.1	.0393	.6979	18.32.9	B	4 12 ,,
13	29.364	20.59	80.1	10.67	81.0	.0389	.6978	18.32.9	C	5 12 ,,
14	29.774	20.62	80·4	10.65	81.0	·0393	.6976	18.32.8	C	6 12 ,,
15	30.664	20.74	80.6	10.69	80.9	.0414	.6980	18·32.8	C	7 12 ,,
16	30.322	20.98	81.0	10.68	80.9	.0452	.6979	18.32.1	C	8 12 ,,
17	29·090	21.20	81.5	10.66	81.3	.0489	.6977	18.31.6	R	9 12 ,,
18	26.830	21.46	82·0	10.66	82.0	.0532	.6977	18.31.1	R	10 12 ,,
19	26.282	21.45	83.0	10.68	82.6	.0530	.6979	18.31.1	R	11 12 ,,
20	25.871	21.38	83·5	10·59	83.0	.0518	·6969	18.30.8	R	Noon.
21	26.693	20.99	84.0	10.66	83.5	·0454	.6977	18.32.1	B	1 12 p. m.
22	28.062	20.77	84.2	10.67	84.1	.0417	.6978	18.32.5	B	2 12 ,,
23	29.021	20.62	84.5	10.66	84.6	.0393	.6977	18.32.9	B	3 12 ,,
Sept. 13th-Noon.	30.048	20.46	84.5	10.65	84.9	.0368	.6976	18.33.1	B	4 12 ,,
1	29.432	20.42	84.0	10.65	85.0	.0361	.6976	18.33.2	C	5 12 ,,
2	29.090	20.58	83.4	10.63	84.2	.0387	.6974	18.32.7	C	6 12 ,,
3	28·610	20.47	82.9	10.62	83.9	.0370	.6973	18.33.0	C	7 12 ,,
4	28.610	20.32	82.1	10.60	83.2	.0344	·6971	18.33 3	C	8 12 ,,
5	28.610	20.31	82.0	10.59	83·0	.0343	·6969	18.33.2	R	9 12 ,,
6	28.747	20.40	82.0	10.58	82·7	.0358	·6968	18.32.9	R	10 12 ,,
7	28.884	20.32	81.5	10.57	82.4	.0344	·6967	18.33.2	R	11 12 ,,
8	28.747	20.31	81.3	10.52	82.1	.0343	·6962	18.32.9	R	Midnight.
9	29.021	20.19	81.1	10.54	82.1	.0323	·6964	18.33.2	B	1 12 a. m.
10	29.364	20.25	80.8	10.53	81.9	.0333	·6963	18.33.1	B	2 12 ,,
11	29.227	20.21	80.6	10.55	81·6	.0327	·6965	18.33.2	B	3 12 ,,
12	29.295	20.29	80.4	10.57	81.5	.0340	·6967	18.33.2	B	4 12 ,,
13	29.774	20.25	80.0	10.55	81.1	.0333	·6965	18.33.2	C	5 12 ,,
14	30.528	20.50	80.0	10.55	81.0	.0374	·6965	18·32.7	C	6 12 ,,
15	31.760	20.76	80.5	10.57	80.9	.0417	·6967	18.32.1	C	7 12 ,,
16	31.213	20.98	81.0	10.56	81.3	.0452	·6966	18.31.6	C	8 12 ,,
17	28.884	21.43	81.7	10.50	81.9	.0527	·6960	18.30·4	R	9 12 ,,
18	27.035	21.72	82.6	10.47	82.4	.0574	·6956	18.29·8	R	10 12 ,,
19	25.560	21.50	83.5	10.49	82.9	·0538	·6958	18.30·3	R	11 12 ,,
20	24·876	21.32	84.0	10.50	83.4	.0508	·6960	18.30.7	R	Noon.
21	26.077	21·15	84.6	10.57	84.1	.0480	·6967	18.31.4	B	1 12 p. m.
22	27.994	20.90	84.6	10.61	84.2	.0439	.6972	18.32.0	B	2 12 ,,
23	29.295	20.50	84.9	10.62	84.7	.0374	.6973	18.33.0	B	3 12 ,,

On the 13th, at about 19h. 45m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 15TH TO 17TH SEPTEMBER 1861.

DATE. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1861.
h.										h. m.
SEPT. 15TH-Noon.	31·623	20.66	83·2	10.38	84·4	8.0400	2.6946	18°31′6	C	4 12 p. m.
1	31·418	20.40	82.8	10.36	84.0	.0358	.6944	18.32.0	C	5 12 ,,
2	29.638	19.86	82.3	10.34	83.9	.0269	.6942	18.33.1	C	6 12 ,,
3	29.501	19.61	82.0	10.30	83.2	.0230	.6938	18.33.5	C	7 12 ,,
4	30.938	19.52	81.6	10.34	83.0	.0213	.6942	18.33.9	C	8 12 ,,
5	29.090	19.69	81.6	10.32	82.8	.0243	.6940	18.33.5	R	9 12 ,,
6	29.227	19.73	81.0	10.26	82.0	.0248	.6933	18.33.0	R	10 12 ,,
7	29.090	19.93	81.0	10.26	82.0	.0280	.6933	18.32.7	R	11 12 ,,
8	29.432	19.91	80.9	10.26	82.0	.0277	.6933	18.32.7	R	Midnight.
9	29.432	19.71	80.9	10.31	81.9	.0245	.6939	18.33.2	B	1 12 a. m.
10	29.569	19.51	80.9	10.30	81.7	.0212	.6938	18.33.8	B	2 12 ,,
11	30.938	19.26	80.6	10.30	81.5	.0171	.6938	18.34.3	B	3 12 ,,
12	31.007	19.31	80.3	10.24	81.4	.0179	.6931	18.33.9	B	4 12 ,,
13	31.349	19.33	80.3	10.26	81.4	.0182	.6933	18.34.0	C	5 12 ,,
14	33.129	19.36	80.4	10.24	81.3	.0187	.6931	18.33.7	C	6 12 ,,
15	34.087	19.14	80.5	10.24	81.2	.0151	.6931	18.34.2	C	7 12 ,,
16	32.102	19.11	81.1	10.17	81.6	.0146	.6923	18.33.9	C	8 12 ,,
17	30·116	19.39	81.4	10.06	81.1	.0192	.6911	18.32 9	R	9 12 ,,
18	28.062	19.70	82.6	10.06	82.0	.0243	.6911	18.32.3	R	10 12 ,,
19	26.145	19.45	83.3	10·08	82.5	.0267	.6913	18.32.0	R	11 12 ,,
20	26.556	19.68	83.6	10.17	83.0	.0241	·6923	18.32.8	R	Noon.
21	26.556	19.36	83.9	10.16	83.5	.0187	.6922	18.33.3	B	1 12 p. m.
22	28.679	19.22	83.9	10.27	83.9	.0164	.6934	18.34.2	B	2 12 ,,
23	29.432	19.47	84.0	10.25	84.3	.0206	.6932	18.33.5	B	3 12 ,,
SEPT. 16TH-Noon.	31.486	18.90	83.7	10·19	84.5	.0111	.6925	18.34.6	B	4 12 ,,
1	30.664	19.39	83.0	10.18	84.0	.0192	.6924	18.33.4	C	5 12 ,,
2	29.638	19.32	81.8	10.20	83.2	.0180	.6927	18.33.8	C	6 12 ,,
3	29.569	19.31	81·9	10.21	83.0	.0179	.6928	18.33.8	C	7 12 ,,
4	30.116	19.31	81.6	10.23	82.6	.0179	.6930	18.33.9	C	8 12 ,,
5	29.843	19.29	81.5	10.18	82.5	.0173	.6924	18.33.7	R	9 12 ,,
6	29.911	19.35	81.5	10.22	82.3	.0185	.6929	18.33.6	R	10 12 ,,
7	29.843	19.35	81.4	10.16	82.1	.0185	.6922	18.33.3	R	11 12 ,,
8	29.638	19.47	81.4	10.16	82.0	.0206	.6922	18.33.1	R	Midnight.
9	29.843	19.61	81.1	10.16	81.9	.0230	.6922	18.32.8	B	1 12 a. m.
10	29·432	19.67	80.1	10.15	81.0	·0240	.6921	18.32.7	B	2 12 ,,
11	29.159	19·82	80.2	10.18	80.9	.0262	.6924	18.32·5	B	3 12 ,,
12	29·501	19.95	80.3	10.18	81.0	.0283	.6924	18.32.3	B	4 12 ,,
13	30.322	20.00	80.0	10.20	80.9	.0292	.6927	18.32.3	C	5 12 ,,
14	31.897	20.00	79.7	10.20	80.6	.0292	.6927	18·32.3	C	6 12 ,,
15	32.513	20·00	79.8	10.18	80.4	.0292	.6924	18.32.1	C	7 12 ,,
16	30.664	20.08	80.0	10.09	80·3	.0305	·6914	18·31.5	C	8 12 ,,
17	29·090	20.17	80·5	10.12	80.5	.0320	·6918	18.31.5	R	9 12 ,,
18	27.240	20.45	81.0	10.12	81.0	.0366	·6918	18.30.9	R	10 12 ,,
19	25.666	20.82	81.9	10.12	81.5	.0426	.6919	18.30.1	R	11 12 ,,
20	24.845	20·92	82.6	10.16	82.0	.0442	.6922	18.30.1	R	Noon.
21	25.735	20.59	83.1	10.16	82.7	.0385	.6922	18.30.7	B	1 12 p. m.
22	27·377	20.37	83.3	10.15	83.4	.0353	.6921	18.31.2	B	2 12 ,,
23	29.501	20.20	83.6	10.20	84.0	.0325	.6927	18.31.8	B	3 12 ,,
SEPT. 17TH-Noon.	30.116	20.12	83.1	10.18	84.1	.0311	.6924	18.31.9	B	4 12 ,,
1	29.569	20.07	82.7	10.15	83.6	.0304	.6921	18.31.9	C	5 12 ,,
2	28.610	20.08	82.2	10.16	83.3	.0305	.6922	18.31.8	C	6 12 ,,
3	28.953	19.88	81.8	10.13	83.0	.0272	.6919	18.32.2	C	7 12 ,,
4	28·747	19.95	81·1	10.12	82.2	.0283	.6918	18.32.1	C	8 12 ,,
5	29.159	19.65	81.1	10.15	82.0	.0236	.6921	18.32.7	R	9 12 ,,
6	29.569	19.78	81.0	10.11	82.0	.0256	.6917	18.32.3	R	10 12 ,,
7	29.159	19.76	80.9	10.15	81.5	.0253	.6921	18.32.5	R	11 12 ,,
8	29.432	20.01	80·6	10.13	81.1	.0294	.6919	18.31.9	R	Midnight.
9	29.432	19·93	80.5	10.16	81.4	.0280	.6922	18.32 2	B	1 12 a. m.
10	29.911	19.83	80.3	10.18	81.3	.0264	.6924	18 32 5	B	2 12 ,,
11	29.970	19.91	80.1	10.73	81.0	.0277	.6985	18.34.7	B	3 12 ,,

On the 16th, at about 19h. 50m., Dip as obtained by Observation was 19°01′2.

DAILY OBSERVATIONS, FROM 17TH TO 19TH SEPTEMBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Sept. 17th—12	29·774	19.96	79·9	10.57	80°7	8.0285	2.6967	18°33′8	B	4 12 a. m.
13	29.774	19.88	79.7	10.59	80.6	.0272	.6969	18.34.1	C	5 12 „
14	32.033	19.78	79.7	10.57	80.6	.0256	.6967	18.34.2	C	6 12 „
15	33.129	19.72	80.0	10.64	80.5	.0246	.6975	18.34.6	C	7 12 „
16	31.760	20.12	80.8	10.57	80.8	.0311	.6967	18.33.6	C	8 12 „
17	29 970	20·62	81.2	10.43	81.0	.0393	.6952	18.31.9	R	9 12 „
18	28.405	20.69	82.0	10·56	81.9	.0405	.6966	18.32.2	R	10 12 „
19	26.967	21.02	82.8	10.56	82.0	.0459	.6966	18.31.5	R	11 12 „
20	27.035	20.84	83.0	10.58	82·7	.0430	.6968	18.32.0	R	Noon
21	28.062	20.60	83.5	10.54	83.1	.0390	.6964	18.32.3	B	1 12 p. m.
22	28.953	20·32	83.7	10.61	83.6	.0344	.6972	18.33.3	B	2 12 „
23	30.048	20.23	84.0	10·68	84.2	.0330	.6979	18.33.7	B	3 12 „
Sept. 18th—Noon.	30.801	19.99	83.8	10.66	84.5	.0290	.6977	18.34.2	B	4 12 „
1	30.116	19.88	83.2	10.66	84·1	.0272	.6977	18.34·5	C	5 12 „
2	29.843	19.90	82.5	10.62	84.0	.0275	.6973	18.34.2	C	6 12 „
3	29 364	19.68	82.0	10.60	83.4	.0241	.6971	18.34.6	C	7 12 „
4	28.610	19.85	81.8	10 54	82.8	.0267	.6964	18.33.9	C	8 12 „
5	28.747	19.82	81.5	10·57	82.4	.0262	.6967	18.34.2	R	9 12 „
6	29.090	19.80	81.1	10.26	82.1	.0259	.6933	18·32.9	R	10 12 „
7	29.364	19.98	81.0	10.26	82.0	.0288	.6933	18.32.5	R	11 12 „
8	29.774	19·71	81·0	10·26	82·0	.0245	.6933	18.33.0	R	Midnight.
9	30·048	19.70	80.8	10.30	81.8	.0243	.6938	18·33.4	B	1 12 a. m.
10	29.569	20.00	80.6	10.25	81.6	.0292	.6932	18.32.4	B	2 12 „
11	29.843	19.98	80.4	10.25	81.6	·0288	.6932	18.32.4	C	3 12 „
12	29.706	20.05	80.9	10.24	81.6	.0300	.6931	18.32.3	C	4 12 „
13	29·911	20.04	80.8	10.23	81.1	.0299	.6930	18.32.3	R	5 12 „
14	31.692	19.98	80.7	10.25	81.0	.0288	.6932	18.32.4	R	6 12 „
15	32.855	19.91	80.5	10.25	81.0	.0277	·6932	18.32·6	B	7 12 „
16	31.486	20.29	81.1	10.23	81.1	.0340	·6930	18.31.8	B	8 12 „
17	29.501	20.64	82.0	10.20	81.5	.0397	.6927	18.30.9	C	9 12 „
18	27.583	20·95	82.9	10.21	82.3	.0447	.6928	18.30.2	C	10 12 „
19	26.214	21.27	83.7	10·19	83.0	.0501	.6925	18.29.5	R	11 12 „
20	25.871	21.06	83.8	10.19	83.0	.0466	.6925	18.29.9	R	Noon.
21	26.625	20.99	83.9	10.25	83 5	0454	.6932	18.30.3	B	1 12 p. m.
22	29.021	20·55	84 2	10.29	84.1	.0382	.6936	18.31.5	B	2 12 „
23	30.870	20.05	84.2	10.32	84.8	.0300	.6940	18.32.7	C	3 12 „
Sept. 19th—Noon.	30.733	20.17	84.0	10.32	85·0	.0320	.6940	18.32.4	C	4 12 „
1	30·390	20.12	83.7	10.25	85.0	.0311	.6932	18.32.2	R	5 12 „
2	29 970	19·29	83.0	10·22	84.1	.0176	.6929	18.33.8	R	6 12 „
3	30.733	18.88	82·5	10.21	83.6	.0108	.6928	18.34.7	B	7 12 „
4	31.555	19.42	82.1	10.29	83.5	.0197	.6936	18.33·8	B	8 12 „
5	30.528	19.40	81.9	10.23	83.0	.0194	.6930	18.33.7	C	9 12 „
6	29.970	19.26	81.8	10.23	82.8	.0171	·6930	18.34 1	C	10 12 „
7	29.774	19.17	81.5	10.26	82.4	.0156	.6933	18.34 2	R	11 12 „
8	29.843	19.52	81.5	10.25	82.0	.0213	.6932	18.33.5	R	Midnight.
9	30.116	19.45	81.2	10.16	82.0	.0202	.6922	18.33.2	B	1 12 a. m.
10	29.774	19.69	81.0	10.22	82.0	.0243	.6929	18.33.0	B	2 12 „
11	30.185	19.71	80.6	10.23	81.6	.0245	.6930	18·32.9	B	3 12 „
12	29.970	19.71	80 6	10.25	81.5	.0245	.6932	18.32.9	B	4 12 „
13	30.185	20.01	80.9	10.25	81.7	.0294	.6932	18.32.4	C	5 12 „
14	31.555	19.86	80.9	10.25	81.6	.0269	.6932	18.32.7	C	6 12 „
15	32.513	19.68	81.0	10 23	81.6	.0241	.6930	18.33.1	C	7 12 „
16	31.349	19.98	81.0	10·17	81.6	.0288	.6923	18.32.1	C	8 12 „
17	30.322	20.20	81.5	10.15	81.7	.0325	.6921	18.31.5	R	9 12 „
18	27.857	20.37	82.6	10.15	82.2	.0353	.6921	18.31.2	R	10 12 „
19	26.008	20.44	83.3	10.13	83.0	.0365	.6919	18.30.9	R	11 12 „
20	26.145	20.16	83.6	10.17	83.0	.0318	.6923	18.31.7	R	Noon.
21	26.556	20.02	84.1	10.21	83.6	.0295	.6928	18.32.2	B	1 12 p. m.
22	28.474	19.81	84.1	10.24	84.1	.0261	.6931	18.32.8	B	2 12 „
23	30.801	19.59	84.1	10.26	84·5	.0225	.6933	18.33.3	B	3 12 „

On the 19th, at about 19h. 45m., Dip as obtained by Observation was 19°06′2.

DAILY OBSERVATIONS, FROM 20TH TO 23RD SEPTEMBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Sept. 20th-Noon.	30°733	19.82	84°0	10.25	84°9	8.0262	2.6932	18°32'8	B	4 12 p. m.
1	29.021	19.99	83.4	10.20	84.9	.0290	.6927	18.32.3	C	5 12 „
2	28.474	20.07	82.8	10.20	84.1	.0304	.6927	18.32.2	C	6 12 „
3	29.227	19.76	82.2	10.19	83.5	.0253	.6925	18.32.7	C	7 12 „
4	29.432	19.64	81.9	10.22	83.2	.0235	.6929	18.33.0	C	8 12 „
5	30.116	19.79	81.8	10.18	82.8	.0253	.6924	18.32.5		9 12 „
6	29.090	19.97	81.5	10.18	82.5	.0287	.6924	18.32.1		10 12 „
7	29.159	20.10	81.4	10.17	82.2	.0308	.6923	18.31.9		11 12 „
8	29.295	20.03	81.0	10.16	82.0	.0297	.6922	18.31.9		Midnight.
9	29.432	19.99	80.8	10.17	81.8	.0290	.6923	18.32.1		1 12 a. m.
10	29.638	19.97	80.6	10.15	81.8	.0287	.6921	18.32.0		2 12 „
11	29.774	20.01	80.3	10.17	81.6	.0294	.6923	18.32.1		3 12 „
12	29.774	20.09	80.5	10.15	81.6	.0307	.6921	18.31.8	B	4 12 „
13	29.843	20.13	80.7	10.12	81.3	.0313	.6918	18.31.7	C	5 12 „
14	30.664	20.09	80.5	10.16	81.3	.0307	.6922	18.31.8	C	6 12 „
15	31.555	20.02	80.4	10.16	81.2	.0295	.6922	18.31.9	C	7 12 „
16	31.075	20.53	81.0	10.14	81.4	.0379	.6920	18.30.9	C	8 12 „
17	29.432	20.97	81.8	10.15	81.7	.0451	.6921	18.29.9	R	9 12 „
18	28.062	21.31	82.7	10.11	82.0	.0507	.6917	18.29.1	R	10 12 „
19	26.077	21.27	83.0	10.10	82.7	.0501	.6916	18.29.1	R	11 12 „
20	24.571	21.18	83.7	10.11	83.0	.0485	.6917	18.29.3	R	Noon.
21	25.392	21.03	84.0	10.19	83.8	.0461	.6925	18.30.0	B	1 12 p. m.
22	27.766	20.83	84.3	10.17	84.1	.0428	.6923	18.30.3	B	2 12 „
23	29.364	20.59	84.5	10.19	84.7	.0389	.6925	18.30.9	B	3 12 „
Sept. 22nd-Noon.	29.706	20.66	84.5	10.17	85.8	.0400	.6923	18.30.7	C	4 12 „
1	29.090	20.52	83.6	10.16	85.2	.0377	.6922	18.30.9	C	5 12 „
2	28.884	20.40	82.9	10.14	84.5	.0358	.6920	18.31.1	C	6 12 „
3	29.090	20.21	82.5	10.14	84.1	.0327	.6920	18.31.5	C	7 12 „
4	29.090	20.15	82.1	10.13	83.7	.0316	.6919	18.31.5	C	8 12 „
5	29.090	20.16	82.0	10.13	83.1	.0318	.6919	18.31.5	R	9 12 „
6	28.953	20.36	82.0	10.09	83.0	.0351	.6914	18.30.9	R	10 12 „
7	29.090	20.43	81.8	10.19	82.9	.0363	.6925	18.30.3	R	11 12 „
8	28.747	20.42	81.5	10.18	82.5	.0361	.6924	18.31.2	R	Midnight.
9	28.884	20.43	81.5	10.18	82.5	.0363	.6924	18.31.2	B	1 12 a. m.
10	28.953	20.42	81.1	10.18	82.5	.0361	.6924	18.31.2	B	2 12 „
11	28.953	20.49	81.0	10.19	82.2	.0373	.6925	18.31.2	B	3 12 „
12	28.953	20.49	81.1	10.18	82.1	.0370	.6924	18.31.1	B	4 12 „
13	29.227	20.41	80.9	10.14	82.0	.0360	.6920	18.31.1	C	5 12 „
14	30.528	20.33	80.9	10.20	81.8	.0346	.6937	18.31.9	C	6 12 „
15	32.102	20.46	81.0	10.15	81.7	.0368	.6921	18.31.0	C	7 12 „
16	31.623	20.79	81.6	10.14	82.0	.0422	.6920	18.30.3	C	8 12 „
17	29.090	21.26	82.1	10.10	82.4	.0499	.6916	18.29.1	R	9 12 „
18	27.035	21.54	83.0	10.09	83.0	.0545	.6915	18.28.4	R	10 12 „
19	25.560	21.53	83.7	10.12	83.2	.0543	.6918	18.28.7	R	11 12 „
20	25.187	21.44	84.0	10.17	83.9	.0529	.6923	18.29.0	R	Noon.
21	25.735	21.22	84.5	10.19	84.5	.0492	.6925	18.29.6	B	1 12 p. m.
22	26.625	21.05	84.8	10.20	85.0	.0464	.6927	18.30.1	B	2 12 „
23	27.789	20.96	85.1	10.26	85.2	.0449	.6933	18.30.4	B	3 12 „
Sept. 23rd-Noon.	28.474	20.82	84.6	10.27	85.5	.0426	.6934	18.30.7	B	4 12 „
1	28.747	20.68	84.1	10.28	85.2	.0403	.6935	18.31.2	C	5 12 „
2	28.474	20.60	83.6	10.30	84.9	.0390	.6938	18.31.4	C	6 12 „
3	28.405	20.64	83.0	10.33	84.3	.0397	.6941	18.31.4	C	7 12 „
4	28.062	20.52	83.0	10.34	84.1	.0377	.6942	18.31.7	C	8 12 „
5	29.405	20.54	83.0	10.22	83.9	.0381	.6929	18.31.2	R	9 12 „
6	28.021	20.47	82.9	10.21	83.6	.0370	.6928	18.31.3	R	10 12 „
7	28.747	20.55	82.8	10.21	83.5	.0382	.6928	18.31.1	R	11 12 „
8	29.021	20.70	82.5	10.19	83.1	.0407	.6925	18.30.7	R	Midnight.
9	29.364	20.32	82.3	10.16	83.2	.0344	.6922	18.31.4	B	1 12 a. m.
10	29.774	20.16	82.1	10.19	83.1	.0318	.6925	18.31.8	B	2 12 „
11	30.048	19.87	82.0	10.21	83.1	.0271	.6928	18.32.6	B	3 12 „

On the 20th, at about 19h. 40m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 23RD TO 25TH SEPTEMBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Sept. 23th—12	30°048	19.94	81°9	10.19	83°0	8.0282	2.6925	18°32'4	B	4 12 a. m.
13	29 774	19.78	81·8	10.14	82.9	.0256	.6920	18.32.4	C	5 12 „
14	31.349	19.65	81.6	10.22	82.7	.0236	.6929	18.33.0	C	6 12 „
15	32.855	19.60	82.0	10.18	82.5	.0228	.6924	18.32.9	C	7 12 „
16	32.033	20.00	82.9	10.19	82.9	·0292	.6925	18.32.2	C	8 12 „
17	29.774	20 63	83.5	10.18	83.2	.0395	.6924	18.30.7	R	9 12 „
18	26.693	21.39	83.7	10.11	83.6	.0520	.6917	18.28 9	R,	10 12 „
19	25·323	21.14	84.3	10.12	84·0	.0479	.6918	18.29.5	R	11 12 „
20	24.160	20.93	85·0	10.14	84.6	.0444	.6920	18.30.1	R	Noon.
21	25.187	20.46	85.0	10.15	84.9	.0368	.6921	18.31.0	B	1 12 p. m.
22	26.762	20.34	84·6	10.20	85.0	.0348	.6927	18·31.5	B	2 12 „
23	28.816	20.45	84·5	10.20	84.9	.0366	.6927	18.31.3	B	3 12 „
Sept.24th-Noon.	29.843	20.34	84.3	10·17	85.0	.0348	.6923	18.31·3	B	4 12 „
1	28.884	20.36	83.9	10.19	84.9	.0351	.6925	18.31.4	C	5 12 „
2	28.679	20.32	83.4	10.17	84.9	.0344	·6923	18·31.5	C	6 12 „
3	29.227	19.87	83.1	10.18	84.2	.0271	.6924	18 32.4	C	7 12 „
4	28.884	19.81	83.0	10.14	84.0	.0261	.6920	18·32.4	C	8 12 „
5	29·159	19.84	83.0	10.15	84·0	.0266	.6921	18.32·3	R	9 12 „
6	29.090	19.97	82.9	10.16	83.6	.0287	·6922	18.32.0	R	10 12 „
7	29.227	20.00	82.8	10.21	83.5	.0292	.6923	18.32.3	R	11 12 „
8	29.159	20.09	82.7	10·16	83.5	.0307	.6922	18·31·8	R	Midnight.
9	29.090	20.22	82.5	10.13	83.5	·0328	·6919	18.31.4	B	1 12 a. m.
10	29.432	20.12	82.5	10.16	83.5	·0311	.6922	18·31.8	B	2 12 „
11	29.227	20.27	82.5	10.16	83.4	.0337	.6922	18 31·4	B	3 12 „
12	29.090	20.48	82.5	10.18	83.4	.0371	.6924	18.31·1	B	4 12 „
13	28.884	20.32	82.6	10.16	83.2	.0344	.6922	18.31·4	C	5 12 „
14	30.664	20.12	82.6	10.22	83.2	.0311	.6929	18.32·1	C	6 12 „
15	31.760	19·97	82.6	10.19	83.0	.0287	.6925	18.32.2	C	7 12 „
16	31.555	20.26	83.0	10.19	83.0	.0335	·6925	18.31 6	C	8 12 „
17	30.459	20.64	83.5	10.16	83.5	·0397	.6922	18.30.6	R	9 12 „
18	28.816	21.04	84.1	10.12	84.0	·0463	.6918	18.29.7	R	10 12 „
19	26 693	21.12	84.7	10.14	84.5	.0475	.6920	18.29.6	R	11 12 „
20	25.940	21.22	85.1	10.15	85.0	.0492	.6921	18.29·4	R	Noon.
21	26.625	21.16	85.6	10.19	85.6	.0482	.6925	18·29.8	B	1 12 p. m.
22	27.789	21.21	85.9	10.23	86.1	.0491	.6930	18.29.8	B	2 12 „
23	29.706	20.72	85·9	10.25	86.6	.0410	·6932	18.30·9	B	3 12 „
Sept.25th-Noon.	30.596	20·55	85.6	10.25	86.6	.0382	.6932	18.32.3	B	4 12 „
1	29.432	20.57	85.0	10·22	86.4	.0386	.6929	18.31.0	C	5 12 „
2	28.679	20.27	84·1	10.19	85.7	.0337	·6925	18.31.6	C	6 12 „
3	29.432	20.11	83.6	10.17	85·0	.0310	.6923	18.31.9	C	7 12 „
4	29.295	19.94	83·5	10.19	84.9	·0284	.6925	18.32.4	C	8 12 „
5	29.090	20·06	83.2	10.12	84.0	.0302	.6918	18.31.8	R	9 12 „
6	29.159	20.09	83·0	10.12	84·0	.0307	.6918	18.31·7	R	10 12 „
7	29.638	20.19	83.0	10.12	84·0	.0323	.6918	19.31·5	R	11 12 „
8	29.501	20·34	83.0	10.12	84.0	.0348	.6918	18.31.1	R	Midnight.
9	30·116	20.07	82.9	10.14	83.9	.0304	.6920	18.31.9	B	1 12 a. m.
10	30·322	20.17	82.6	10.16	83.6	.0320	.6922	18.31.6	B	2 12 „
11	30.048	20.29	82·6	10.15	83 6	.0340	.6921	18.31.4	B	3 12 „
12	30.048	20.20	82.6	10.15	83.5	.0325	.6921	18.31.4	B	4 12 „
13	30·596	20·31	82.6	10.17	83.5	.0343	.6923	18.31.5	C	5 12 „
14	30.596	20.03	82.1	10.15	83.0	.0297	.6921	18.31.9	C	6 12 „
15	31.144	20.06	81.6	10.19	82.9	.0302	.6925	18.32.1	C	7 12 „
16	30·870	20.24	81 9	10.16	82.8	.0332	.6922	18.31.5	C	8 12 „
17	29.227	20.67	82.6	10.14	83.0	.0402	.6920	18.30.6	R	9 12 „
18	28·816	21.08	83.5	10.11	83.5	.0469	·6917	18.29.6	R	10 12 „
19	28.405	21·42	84.7	10.12	84.0	.0525	.6918	18.28.8	R	11 12 „
20	27.035	21.55	85.2	10.14	84.6	.0546	.6920	18·28.6	R	Noon.
21	26.830	21 53	85·6	10.20	85.1	·0543	.6927	18.29·1	B	1 12 p. m.
22	28·474	21.32	85.9	10.23	86.0	.0508	.6930	18.29.6	B	2 12 „
23	30.185	21.07	85.7	10.31	86.3	.0458	.6930	18·30.5	B	3 12 „

On the 23th, at about 19h. 10m., Dip as obtained by Observation was 18°55 6.

DAILY OBSERVATIONS, FROM 26TH TO 29TH SEPTEMBER 1861.

DATE. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1861.
	h.									h. m.
SEPT.26TH-Noon.	30·390	20.84	85°5	10.35	86°6	8.0430	2.6943	18°31′1	B	4 12 p. m.
1	29·227	20.75	85.0	10.29	86.4	.0415	.6936	18.30.9	C	5 12 ,,
2	28.747	20.40	84.4	10.30	86.0	.0358	.6938	18.31.8	C	6 12 ,,
3	28.747	20.22	84.0	10.29	85.5	.0328	.6936	18.32.1	C	7 12 ,,
4	29·021	20.30	83 9	10.29	85 0	.0341	.6936	18.32.0	C	8 12 ,,
5	29.021	20.27	84.0	10.31	85.0	.0337	.6939	18.32.1	R	9 12 ,,
6	29.021	20.54	83.9	10 25	84 9	.0381	.6932	18.31.3	R	10 12 ,,
7	29.090	20.33	83.8	10.16	84.7	.0346	.6922	18.31.2	R	11 12 ,,
8	29.090	20.32	83.8	10.14	84.5	.0344	.6920	18 31.4	R	Midnight.
9	29.364	20.56	83.6	10.15	84.3	.0384	.6921	18.30.9	B	1 12 a. m.
10	29.432	20.60	83.3	10.18	84.3	.0390	.6924	18.30.8	B	2 12 ,,
11	29.432	20.48	82.8	10.16	83.7	.0371	.6922	18.31·0	B	3 12 ,,
12	29.364	20.37	82.6	10.16	83.5	.0313	.6922	18.31.2	B	4 12 ,,
13	29.090	20.28	82.4	10.15	83.4	.0338	.6921	18 31.4	C	5 12 ,,
14	29.911	20.31	82.1	10.16	83·0	.0343	.6922	18.31.4	C	6 12 ,,
15	30.733	20.26	82.0	10.17	82.9	.0335	.6923	18.31.5	C	7 12 ,,
16	30.185	20.69	82.2	10.15	82.9	.0405	.6921	18.30.5	C	8 12 ,,
17	28.542	21.19	83.0	10.14	83.0	.0487	.6920	18.29.4	R	9 12 ,,
18	28.405	21.46	83.9	10.12	84.0	.0532	.6918	18.28.8	R	10 12 ,,
19	27.172	21.66	84.5	10.13	84.2	.0564	.6919	18.28.4	R	11 12 ,,
20	26.351	21.65	85.0	10.15	85.0	.0562	.6921	18.28.5	R	Noon.
21	26 967	21.46	85.6	10.22	85.6	.0532	.6929	18.29.2	B	1 12 p. m.
22	28.131	21.28	85.8	10.23	86 1	.0502	.6930	18.29.7	B	2 12 ,,
23	29.159	21.07	85.9	10.22	86.6	.0468	.6929	18.30.0	B	3 12 ,,
SEPT.27TH-Noon.	29.501	20.92	85.6	10.22	86.5	.0442	.6929	18.30.4	B	4 12 ,,
1	29.295	20.71	84.9	10 22	86.1	.0441	.6929	18.30.4	C	5 12 ,,
2	28 610	20.55	84.0	10 19	85 5	.0384	.6925	18.31.1	C	6 12 ,,
3	28.884	20.45	83.9	10.18	85.1	.0366	.6924	18.31.1	C	7 12 ,,
4	29.227	20.36	83.9	10.17	84.9	.0335	.6923	18.31.5	C	8 12 ,,
5	29.569	20.06	81.9	10.12	83.4	.0302	.6918	18.31.8	R	9 12 ,,
6	29 432	20.17	81.8	10.09	83.0	.0320	.6914	18.31.3	R	10 12 ,,
7	28.953	20.10	81.2	10.08	82.7	.0308	.6913	18.31·5	R	11 12 ,,
8	28.884	20.16	81.0	10.05	82.2	.0318	.6910	18.31.2	R	Midnight.
9	28.953	20.19	81.1	10·05	82.3	.0323	.6910	18.31.2	B	1 12 a. m.
10	29.227	20.17	81.0	10.02	82 2	.0320	.6907	18.31.1	B	2 12 ,,
11	28.953	20.39	80.8	10.01	82.1	.0356	.6906	18.30.5	B	3 12 ,,
12	29.090	20.39	80.6	9 98	81.9	.0356	.6902	18.30.3	B	4 12 ,,
13	29.227	20 41	80.4	9.95	81.8	.0360	.6899	18.30.2	C	5 12 ,,
14	30.664	20.44	80.6	9.99	81.8	.0365	.6903	18.30.3	C	6 12 ,,
15	32.033	20.31	80.9	10.00	81.8	.0343	.6905	18.30.8	C	7 12 ,,
16	31.692	20.56	81.2	9.99	82.0	.0384	.6903	18.30.1	C	8 12 ,,
17	31.144	21.03	82.4	9.94	82.4	.0461	.6898	18 28.9	R	9 12 ,,
18	29.843	21.45	83 6	9.89	83.1	.0530	.6892	18.27.7	R	10 12 ,,
19	28.747	21.52	84.3	9.92	84.0	.0541	.6896	18.27.8	R	11 12 ,,
20	27.377	21.38	84.9	9.97	84.5	.0518	.6901	18.28.2	R	Noon.
21	27.464	21.02	85.5	10 01	85.2	.0459	.6906	18.29.2	B	1 12 p. m.
22	28.747	20.88	85.5	10.02	85.5	.0436	.6907	18.29.6	B	2 12 ,,
23	30.048	20.74	85.5	10.03	86.1	.0418	.6908	18.30.0	B	3 12 ,,
SEPT.29TH-Noon.	29 706	20.45	84.7	10 06	85.9	.0366	.6911	18.30.6	C	4 12 ,,
1	29.432	20 50	84.0	10.07	85.6	.0374	.6912	18.30.6	C	5 12 ,,
2	28.884	20.40	83.2	10 05	84 9	.0358	.6910	18.30.7	C	6 12 ,,
3	29.159	20.29	83.0	10.07	84.4	.0340	.6912	18.31.0	C	7 12 ,,
4	29.159	20.31	82.8	10.08	84.1	.0343	.6913	18.31.1	C	8 12 ,,
5	29.090	20.24	82.5	10.07	83 5	.0332	.6912	18.31.1	R	9 12 ,,
6	29.159	20.16	82.4	10.08	83.4	.0318	.6913	18.31.3	R	10 12 ,,
7	29.432	20.08	81.0	10.08	82.5	.0305	.6913	18.31.5	R	11 12 ,,
8	29.774	20.13	81.0	10.06	82.1	.0313	.6911	18.31.4	R	Midnight.
9	29.432	20.26	81.1	10.07	82.3	.0335	.6912	18.31.0	B	1 12 a. m.
10	29.364	20.27	81.1	10.15	82 3	.0337	.6921	18.31.8	B	2 12 ,,
11	29.364	20 23	80.7	10.08	82.0	.0320	.6913	18.31.2	B	3 12 ,,

On the 26th, at about 19h. 45m., Dip as obtained by Observation was 19°05′0.
On the 27th, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 29TH SEPTEMBER TO 1ST OCTOBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Sept. 29th—12	29·159	20.36	80°8	10.06	81°9	8.0351	2.6911	18°30'8	B	4 12 a. m.
13	29.159	20.45	80.8	10.06	81·9	.0366	.6911	18.30.6	C	5 12 „
14	29.970	20.48	80·7	10.06	81.9	.0371	.6911	18.30·6	C	6 12 „
15	31.486	20.33	80.9	10.10	82.0	.0346	.6916	18.31·0	C	7 12 „
16	31.623	20.62	81.2	10.10	82·1	.0393	.6916	18·30.5	C	8 12 „
17	31.144	20.96	82.0	10·06	82.0	.0449	.6911	18.29.5	R	9 12 „
18	29.706	21.20	82.5	10.03	82.5	.0489	.6908	18·28.9	R	10 12 „
19	29.789	21·25	82.8	9.98	82.6	.0497	.6904	18.28.6	R	11 12 „
20	26.008	21·28	83.3	9.99	83.0	.0502	.6903	18.28.6	R	Noon.
21	27.104	21.12	83·5	10.10	83.4	.0475	.6916	18.29.4	B	1 12 p. m.
22	28.268	20.91	83.5	10.11	83.5	.0441	.6917	18.30.0	B	2 12 „
23	29·021	20.80	82.3	10.11	83.7	.0423	.6917	18.30.2	B	3 12 „
Sept. 30th—Noon.	29.364	20.64	82.5	10.07	83.5	.0397	.6912	18.30.2	B	4 12 „
1	28.747	20.56	82.0	10·04	82.9	·0384	.6909	18.30.4	C	5 12 „
2	28.953	20.42	81.6	10·06	82.8	·0361	.6911	18.30.7	C	6 12 „
3	28.747	20·38	81.4	10.04	82.6	.0354	.6909	18.30.7	C	7 12 „
4	28.884	20.32	81·4	10.08	82·5	.0344	.6913	18.31.1	C	8 12 „
5	28.953	20.37	81.5	10.07	82.2	.0353	.6912	18.30.8	R	9 12 „
6	28.953	20.37	81.5	10.07	82.3	.0353	.6912	18.30.8	R	10 12 „
7	29.159	20.25	81.4	10·16	82.1	.0330	.6922	18.31·5	R	11 12 „
8	29.569	20.33	81.3	10.16	82.1	.0346	.6922	18·31.2	R	Midnight.
9	29.432	20·35	81.4	10.17	82.3	.0349	.6923	18.31.3	B	1 12 a. m.
10	29.227	20·31	81.3	10.12	82.2	·0343	.6918	18.31.3	B	2 12 „
11	29.090	20.39	81.3	10·13	82.2	.0356	.6919	18.31.0	B	3 12 „
12	28·884	20.42	81.3	10.14	82.1	.0361	.6920	18.31.1	B	4 12 „
13	28.747	20.40	81.1	10.12	82.0	.0358	.6918	18.31.0	C	5 12 „
14	29.090	20.48	81.0	10.16	82.0	.0371	.6922	18.31.0	C	6 12 „
15	30.322	20.76	80.1	10·13	81.1	.0417	.6919	18.30.2	C	7 12 „
16	30·528	20·80	80.0	10.13	81.0	·0423	.6919	18·30·2	C	8 12 „
17	30.116	21.38	81.0	10.11	81.0	.0518	.6919	18.28.9	R	9 12 „
18	28.747	21.57	81.5	10.11	81·9	.0550	.6917	18.28.5	R	10 12 „
19	26.693	21.71	82.0	10.14	82·0	.0573	·6920	18.28·4	R	11 12 „
20	25.529	21.61	82.2	10.16	82·0	.0556	.6922	18.28.5	R	Noon.
21	26.145	21.44	82.3	10.11	82.1	.0529	.6917	18.28.8	B	1 12 p. m.
22	27.104	21.24	83.3	10.14	83.1	.0496	.6920	18.29.3	B	2 12 „
23	28.131	20.97	83.1	10·10	83.2	.0451	.6916	18.29.7	B	3 12 „
Oct. 1st—Noon.	28.679	20.83	83.0	10.16	83.5	·0428	.6922	18.30.2	B	4 12 „
1	28.062	20.85	83.0	10.16	83.5	.0431	.6922	18·30.2	B	5 12 „
2	28.062	20.76	82.5	10·21	83.5	.0417	.6928	18.30·6	B	6 12 „
3	28.747	20.64	82.3	10.21	83.2	.0397	.6928	18.30.9	B	7 12 „
4	29.021	20.57	82.1	10.18	83.0	.0384	.6924	18.31.0	B	8 12 „
5	29.021	20.42	81·8	10.18	82.7	·0361	.6924	18.31.2	C	9 12 „
6	28.816	20.48	81.8	10.20	82.6	.0371	.6927	18.31.3	C	10 12 „
7	28·953	20.50	81.7	10.20	82.5	.0374	.6927	18.31.3	C	11 12 „
8	29.021	20.49	81.5	10.20	82.5	.0373	.6927	18.31.3	C	Midnight.
9	29.090	20.48	81.4	10.16	82.0	.0371	.6922	18.31.0	R	1 12 a. m.
10	29.021	20.60	81.4	10·20	82.0	.0390	.6927	18.31.0	R	2 12 „
11	29.021	20.56	81.0	10.16	82.0	.0384	·6922	18.30.9	R	3 12 „
12	28.953	20.60	81.0	10·16	82.0	.0390	.6922	18.30.7	R	4 12 „
13	29.021	20.67	81.0	10.21	82.0	.0402	.6928	18.30.9	B	5 12 „
14	29.843	20.58	80.5	10.20	81.6	.0387	.6927	18.31.0	B	6 12 „
15	31.075	20.56	80.8	10.20	81.6	.0384	.6927	18.31·2	B	7 12 „
16	31.075	20.85	81.3	10.20	81.6	.0431	.6927	18.30.5	B	8 12 „
17	30.253	21.26	81.8	10.18	82.0	.0499	.6924	18.29.4	C	9 12 „
18	28.884	21.68	82.7	10·20	82.7	.0567	.6927	18.28.8	C	10 12 „
19	27·104	21.81	83.4	10.19	83.1	.0589	.6925	18.28.3	C	11 12 „
20	25.940	21.70	83.9	9.76	83.7	.0571	.6878	18.26.7	C	Noon.
21	26.693	21.44	84.0	9·82	84.0	.0529	.6885	18.27.5	R	1 12 p. m.
22	27.720	21·19	84.3	9.84	84.6	.0487	.6887	18.28.1	R	2 12 „
23	28.679	21·02	84.3	9.77	85.0	.0459	.6879	18.28.1	R	3 12 „

On the 30th, at about 19h. 30m., Dip as obtained by Observation was 18°55'3.

DAILY OBSERVATIONS, FROM 2ND TO 4TH OCTOBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Oct. 2nd-Noon.	28·747	20.91	84°0	9.75	85°0	8.0441	2.6877	18°28′4	R	4 12 p. m.
1	28.268	20.84	83.5	9.59	84.5	.0430	.6859	18.27.8	B	5 12 ,,
2	28.131	20·68	82.4	9.56	83.6	.0403	.6856	18.28.1	B	6 12 ,,
3.	28·610	20.46	82.3	9.76	83.5	.0368	·6879	18.29.3	B	7 12 ,,
4	28·747	20.50	82.1	9.74	83.3	.0374	.6876	18.29.2	B	8 12 ,,
5	28.747	20.59	82.0	9.72	83.2	.0389	.6874	18.28.8	C	9 12 ,,
6	29.021	20.48	81.8	9.79	82.9	.0371	.6881	18.29.4	C	10 12 ,,
7	29.501	20.34	81.6	9.76	82.7	.0348	.6878	18.29.5	C	11 12 ,,
8	29.774	20.28	81.4	9.76	82.7	.0338	.6878	18.29.7	C	Midnight.
9	30.185	20.28	81.5	9.78	82.5	.0338	.6880	18·29·8	R	1 12 a. m.
10	29.638	20.55	81.2	9.77	82.2	.0382	.6879	18.29.2	R	2 12 ,,
11	29.432	20.43	81.0	9.76	82·0	.0363	·6878	18.29.4	R	3 12 ,,
12	29.569	20.33	81.0	9.76	82.0	.0346	.6878	18.29·5	R	4 12 ,,
13	29.432	20·34	80.7	9.70	81.8	·0348	.6872	18.29.2	B	5 12 ,,
14	30.459	20.24	80.5	9.70	81.5	.0332	.6872	18.29.5	B	6 12 ,,
15	31·349	20.07	80.4	9.69	81.2	.0304	.6870	18.29.9	B	7 12 ,,
16	31·828	20.32	80·4	9.68	81.1	.0344	.6869	18.29.3	B	8 12 ,,
17	30.801	20.48	80.8	9.66	81·4	.0371	.6867	18.28.9	C	9 12 ,,
18	29.432	20.94	81.8	9.64	81.9	.0446	·6865	18·27.7	C	10 12 ,,
19	27.377	21.15	82.5	9.64	82.5	.0480	.6865	18.27.4	C	11 12 ,,
20	27.377	21.20	83.1	9.59	83.0	.0489	.6859	18.27.0	C	Noon.
21	27·720	20.98	83.5	9·56	83.5	.0452	.6856	18.27.4	R	1 12 p. m.
22	28.747	20·78	83.6	9.62	83.9	.0420	.6863	18.28.0	R	2 12 ,,
23	29.159	20.53	83.5	9.62	84.0	.0379	·6863	18.28.6	R	3 12 ,,
Oct. 3rd-Noon.	29.159	20.43	83.4	9.52	84.0	.0363	.6852	18.28.4	R	4 12 ,,
1	28.816	20.44	82.7	9·56	83·6	·0365	.6856	18·28.5	B	5 12 ,,
2	28.474	20.33	82.1	9.55	83.2	.0346	.6855	18.28.7	B	6 12 ,,
3	28.747	20.29	81.9	9.57	83·0	.0340	.6857	18.29.0	B	7 12 ,,
4	29.159	20.34	81.6	9.57	83.0	.0348	.6857	18.28.8	B	8 12 ,,
5	29.159	20.25	81.1	9.58	82.7	.0333	.6858	18.29.1	C	9 12 ,,
6	29.159	20.28	81.0	9.59	82.3	.0338	.6859	18.29.0	C	10 12 ,,
7	29·364	20·38	81.0	9·61	82.2	.0354	.6862	18.28.8	C	11 12 ,,
8	29.501	20·36	81.0	9·58	82.0	.0351	.6858	18·28.8	C	Midnight.
9	29.774	20.30	80.9	9.56	82·0	.0341	.6856	18.28.9	R	1 12 a. m.
10	29·638	20·29	80.5	9.55	81.5	.0340	.6855	18.28.9	R	2 12 ,,
11	29.295	20.37	80.4	9.54	81.2	.0353	·6854	18.28.6	R	3 12 ,,
12	29.295	20.42	80.1	9.53	81.1	.0361	.6853	18.28.5	R	4 12 ,,
13	29.295	20·49	80.2	9.49	81.1	.0373	.6848	18.28.2	B	5 12 ,,
14	29.843	20.39	80.2	9.51	81.1	.0356	.6851	18.28.4	B	6 12 ,,
15	29.638	20·89	80.2	9.49	81.0	.0356	.6848	18·28.0	B	7 12 ,,
16	29.364	20,60	80.6	9.43	81.0	.0390	.6842	18.27.6	B	8 12 ,,
17	28.474	20.88	81·2	9.42	81.4	.0436	·6841	18·27.0	C	9 12 ,,
18	27.857	21·21	82.4	9·44	82.0	.0491	.6843	18.26.4	C	10 12 ,,
19	27.583	21.30	83.0	9.45	82·5	.0505	.6844	18.26.2	C	11 12 ,,
20	27.240	21.25	82.9	9.47	82.9	.0497	.6846	18.26.4	C	Noon.
21	27.104	21.11	83.3	9.49	83.1	.0474	.6848	18.26.9	R	1 12 p. m.
22	27.925	20.95	83.5	9.51	83.7	.0447	.6851	18.27.2	R	2 12 ,,
23	28.747	20.82	83·6	9.50	84.0	.0426	.6850	18.27.5	R	3 12 ,,
Oct. 4th-Noon.	29.638	20.72	83.5	9.44	84.1	.0410	.6843	18.27.5	R	4 12 ,,
1	29.364	20.64	82.9	9.41	83.8	.0397	.6840	18.27.5	N	5 12 ,,
2	28.953	20.54	82.0	9.59	83.1	.0381	.6859	18.28.5	N	6 12 ,,
3	29.090	20·43	81·8	9.79	83.0	·0363	.6881	18.29.5	N	7 12 ,,
4	29.090	20.37	81.4	10.00	82.8	·0353	.6905	18.30.6	N	8 12 ,,
5	29.021	20.38	81.1	10.04	82.7	.0354	.6909	18.30.7	C	9 12 ,,
6	29.021	20·38	81.0	10.05	82.2	.0354	.6910	18.30.8	C	10 12 ,,
7	29.159	20.46	80.9	10.04	82.1	.0368	.6909	18.30.5	C	11 12 ,,
8	29.364	20.51	80.9	10.08	82.0	.0376	.6918	18.30.6	C	Midnight.
9	29.638	20·56	80.9	10.15	81.8	·0384	.6921	18.30.9	R	1 12 a. m.
10	29·774	20.53	80.9	10.19	81.6	.0379	.6925	18.31.1	R	2 12 ,,
11	29.638	20.53	80.8	10.18	81.4	.0379	.6924	18.31.0	R	3 12 ,,

On the 3rd, at about 19h. 55m., Dip as obtained by Observation was 19°09′0.

DAILY OBSERVATIONS, FROM 4TH TO 7TH OCTOBER 1861.

Date. Göttingen Mean Time. 1861.		Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
	h.										h. m.
Oct. 4th—	12	29·482	20.54	80°5	10.24	81°2	8.0381	2.6931	18°31′3	R	4 12 a. m.
	13	29.432	20.43	80.1	10.18	81.0	.0363	.6924	18.31.2	N	5 12 „
	14	30.390	20.25	80.0	10.23	80.9	·0333	.6930	18.31.9	N	6 12 „
	15	30.459	20·19	80.0	10.26	81.0	.0323	.6933	18.32.1	O	7 12 „
	16	30·390	20.56	80.8	10.23	81.0	.0384	.6930	18·31.3	N	8 12 „
	17	29·295	20.84	81.0	10.20	81.2	.0430	.6927	18.30.5	C	9 12 „
	18	27.994	21.17	81.2	10.18	81.2	.0484	.6924	18.29.7	C	10 12 „
	19	26.351	21.24	81·7	10.16	81.9	,0496	.6922	18.29.3	C	11 12 „
	20	25.666	21.22	81.8	10.18	82.0	,0492	.6924	18.29.5	C	Noon.
	21	26.420	21.25	82.5	10.18	82.5	,0497	.6924	18·29.4	R	1 12 p. m.
	22	27.583	21.24	83.0	10.21	83.0	,0496	·6928	18.29.6	R	2 12 „
	23	28.953	21.12	83.0	10.21	83.5	.0475	.6928	18.29.9	R	3 12 „
Oct. 6th-Noon.		29.706	20.88	82.6	10.13	83.5	.0436	.6919	18.30.0	B	4 12 „
	1	29.090	20.85	81.5	10.10	82.8	.0431	.6916	18.30.0	B	5 12 „
	2	28.474	20.75	80.9	10.09	82.2	.0415	.6914	18.30.0	B	6 12 „
	3	28.747	20.68	80.7	10.11	82.0	.0403	.6917	18.30.5	B	7 12 „
	4	28.816	20.70	80.7	10.09	81.8	.0407	.6914	18.30.2	B	8 12 „
	5	28.610	20.68	80.7	10.09	81.7	.0403	.6914	18.30.3	C	9 12 „
	6	28.747	20.61	80.6	10.11	81.5	.0392	.6917	18.30.6	C	10 12 „
	7	29.090	20.58	80.3	10.09	81.1	.0387	.6914	18.30.4	C	11 12 „
	8	28.953	20.60	80.0	10.11	81.0	.0390	.6917	18.30.6	C	Midnight.
	9	29.090	20.54	80.0	10.03	80.0	.0331	.6908	18.30.4	R	1 12 a.m.
	10	28.953	20.73	80.0	10.02	80.7	.0412	.6907	18.30.0	R	2 12 „
	11	28.953	20.80	80.0	10.04	80.5	.0423	.6909	18.29.8	R	3 12 „
	12	28.953	20.61	79.5	10.01	80.4	.0392	.6906	18.30.1	R	4 12 „
	13	28.679	20.57	79.1	10.03	80.2	.0386	.6908	18.30.2	B	5 12 „
	14	28.816	20.63	78.8	10.04	80.0	.0395	.6909	18.30.1	B	6 12 „
	15	29.774	20.85	79.0	10.05	80.0	.0431	.6910	18.29.8	B	7 12 „
	16	30.459	21.38	79.6	10.04	80.1	.0518	.6909	18.28.5	B	8 12 „
	17	29.638	21.81	80.6	10.04	80.6	.0589	.6909	18.27.6	C	9 12 „
	18	28.405	22.04	81.4	10.06	81.2	.0627	.6911	18.27.2	C	10 12 „
	19	26.969	22.23	82·1	10.10	82.0	.0658	.6916	18.27.0	C	11 12 „
	20	26.214	22.11	82.9	10.07	82.3	.0638	.6912	18.27.1	C	Noon.
	21	26.967	21.72	83.5	10.09	83.0	.0574	.6914	18.28.1	R	1 12 p. m.
	22	28.268	21.44	83.9	10.11	83.5	.0529	.6917	18.28.8	R	2 12 „
	23	29.774	21.24	84.0	10.07	83.9	.0496	.6912	18.28.9	R	3 12 „
Oct. 7th-Noon.		30.116	21.12	84.0	10.02	84.0	.0475	.6907	18.29.1	R	4 12 „
	1	29.432	20.90	83.4	9.97	84.1	.0439	.6901	18.29.3	B	5 12 „
	2	28.816	20.76	82.5	9.99	83.5	.0417	.6903	18.29.6	B	6 12 „
	3	28.953	20.59	82.1	9.84	83.1	.0389	.6887	18.29.4	B	7 12 „
	4	29.021	20.36	81.6	10.68	82.8	.0351	.6979	18.33.4	B	8 12 „
	5	28.953	20.37	81.2	10.82	82.4	.0353	.6995	18.34.1	C	9 12 „
	6	29.021	20.46	81.0	10.84	82.1	·0368	.6997	18.34.0	C	10 12 „
	7	29.090	20.44	81.0	10.82	82.0	.0365	.6995	18.34.2	C	11 12 „
	8	29.021	20.51	80.9	10.80	81.8	.0376	.6993	18.33.7	C	Midnight.
	9	29.021	20.44	80.5	10.84	81.2	.0365	.6997	18.34.0	R	1 12 a. m.
	10	28.679	20.72	80.2	10.84	81.2	.0410	.6997	18.33.5	R	2 12 „
	11	28.953	20.58	79.9	10.83	81.0	.0387	.6996	18.33.6	R	3 12 „
	12	29.227	20.55	79.7	10.83	81.0	.0382	.6996	18.33.8	R	4 12 „
	13	29.227	20.46	79.3	10.77	80.6	.0368	.6989	18.33.6	B	5 12 „
	14	30.116	20.41	79.1	10.83	80.3	.0360	.6996	18·34.0	B	6 12 „
	15	31.075	20.34	79.1	10.89	80.3	.0348	.7002	18.34.3	B	7 12 „
	16	30.733	20.58	79.6	10.85	80.3	.0387	.6998	18·33·6	B	8 12 „
	17	29.364	21.11	80.5	10.87	80.6	.0474	.7000	18.32.8	C	9 12 „
	18	27.583	21.53	81.6	10.84	81.4	.0543	.6997	18.31.8	C	10 12 „
	19	26.145	21.38	82.3	10.83	82.3	.0518	·6996	18.31.9	C	11 12 „
	20	26.008	21.45	83.1	10.86	82.9	.0530	·6999	18.31.9	C	Noon.
	21	26.145	21.34	84.0	10.85	83.5	.0512	.6998	18.32.2	R	1 12 p. m.
	22	27.466	21.16	84.4	10.85	84.0	.0482	.6998	18.32.6	R	2 12 „
	23	28.747	20.78	84.7	10.85	84.9	.0420	.6998	18.33.3	R	3 12 „

On the 4th, at about 19h. 35m., Deflection Observations were taken.
On the 7th, at about 19h. 45m., Dip as obtained by Observation was 19°04′.0

DAILY OBSERVATIONS, FROM 8TH TO 10TH OCTOBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Oct. 8th-Noon.	29·432	20.64	84°7	10.85	85°1	8.0397	2.6998	18°33′6	R	4 12 p.m.
1	29.295	20.48	84.4	10.83	85.1	·0371	.6996	18.33.9	B	5 12 "
2	29.021	20.38	83.3	10.84	84.5	.0354	.6997	18.34.2	B	6 12 "
3	28.816	20.48	82.6	10.79	83·7	.0371	.6991	18.33.7	B	7 12 "
4	29·021	20.50	82.5	10.81	83·5	.0374	.6994	18.33.8	B	8 12 "
5	28.816	20.51	82.0	10.77	83.1	.0376	.6989	18.33.5	C	9 12 "
6	28.610	20.54	81.6	10.75	82.9	.0381	.6987	18.33.5	C	10 12 "
7	29.021	20.54	81.6	10.77	82.9	.0381	·6989	18.33.5	C	11 12 "
8	29.227	20.59	81.7	10.78	82.6	.0389	.6990	18.33.4	C	Midnight.
9	29.090	20.64	81.4	10.76	82.1	.0397	.6988	18.33.2	R	1 12 a. m.
10	29·159	20.60	81.0	10.76	82.0	.0390	.6988	18.33.3	R	2 12 "
11	29.090	20.62	80.8	10.76	82.0	.0393	.6988	18.33.3	R	3 12 "
12	29.159	20.49	80.5	10.79	81.6	.0373	·6991	18.33.7	R	4 12 "
13	29.432	20·54	80.2	10.93	81.5	.0381	.7007	18.34.3	B	5 12 "
c 14	30.322	20.48	80.1	10.95	81.1	.0371	.7009	18.34.4	B	6 12 "
15	31.075	20.35	80.0	11.03	81.0	.0349	.7018	18.35.0	B	7 12 "
16	30.664	20.73	80.5	11.03	81.1	.0412	.7018	18.34.3	B	8 12 "
17	29.638	21.21	81.2	11.03	81.6	.0491	.7018	18.33.2	C	9 12 "
18	28.747	21.50	82.3	11.06	82.0	.0538	.7021	18 32.7	C	10 12 "
19	27.377	21.49	83.0	11.04	82.6	.0537	.7019	18.32.6	C	11 12 "
20	26.967	21.44	83.9	11.05	83.2	.0529	.7020	18.32.8	C	Noon.
21	27.240	21.31	84.4	11.02	84.0	.0507	.7017	18.33.0	R	1 12 p. m.
22	28.199	21.28	84.9	11.04	84.5	.0501	.7019	18.33.1	R	2 12 "
23	29.432	21·05	85.1	11.05	85·1	.0464	.7020	18.33.7	R	3 12 "
Oct. 9th-Noon.	30.116	20.97	85.0	11.07	85.5	.0451	.7022	18.33.8	R	4 12 "
1	29.501	20.87	84.5	11.08	85.4	.0435	.7023	18·34.1	B	5 12 "
2	28.816	20.70	83.6	10.99	84·8	.0407	.7013	18.34.1	B	6 12 "
3	28.884	20.62	83.3	11.01	84.4	.0393	.7016	18·34.4	B	7 12 "
4	28.884	20.61	83.0	11.02	84.0	.0392	.7017	18.34·5	B	8 12 "
5	28.747	20.62	82.5	11·03	83.5	.0393	.7018	18.34.5	C	9 12 "
6	28.884	20.50	82.0	11.02	83.4	.0374	.7017	18.34.8	C	10 12 "
7	29.021	20.55	81.8	11.05	83.0	.0382	.7020	18.34.8	C	11 12 "
8	28.816	20.61	81.5	11.02	82.8	.0392	.7017	18.34.5	C	Midnight.
9	28.816	20.68	81.6	11.02	82.5	.0403	.7017	18.34.4	R	1 12 a. m.
10	29.090	20.60	81.4	11.01	82.1	.0390	.7016	18.34.4	R	2 12 "
11	29.090	20.63	81.0	10.96	82.1	.0395	.7010	18.34.1	R	3 12 "
12	28.747	20.64	81.0	10.96	82.0	.0397	.7010	18.34.1	R	4 12 "
13	28.747	20.61	80.6	11.04	82.0	.0392	.7019	18.34.5	B	5 12 "
14	29·364	20·66	80.6	11.01	81.6	.0400	.7016	18.34.3	B	6 12 "
15	30.116	20.72	80.6	11.03	81.6	.0410	.7018	18.34·3	B	7 12 "
16	30.870	20.80	81.0	11.05	81.6	.0423	.7020	18.34.2	B	8 12 "
17	29.970	21.36	82.0	11.06	82.0	.0515	.7021	18.32.9	C	9 12 "
18	27.720	21.82	82.9	11·04	82.5	.0570	.7019	18.32.2	C	10 12 "
19	25.735	22.18	83.9	11.05	83.0	·0649	.7020	18.31.2	C	11 12 "
20	25.735	22.14	84·8	11.14	84.0	·0643	.7030	18.31.6	C	Noon.
21	26.214	21·94	85·2	11.16	84·5	.0610	.7032	18.32.2	R	1 12 p. m.
22	27.789	22.92	85.6	11.19	85.1	.0668	.7035	18.31.6	R	2 12 "
23	30·528	21.54	85.7	11.27	85.7	.0545	.7044	18.33.4	R	3 12 "
Oct. 10th-Noon.	30.801	20.46	85.6	11.33	86.0	.0368	.7051	18.36.1	R	4 12 "
1	31.213	19.10	85.0	11.32	85·8	.0144	.7050	18.39.1	B	5 12 "
2	30.322	18.51	84.2	11.21	85·4	.0048	.7038	18.39.7	B	6 12 "
3	30.322	17.89	83.8	11.17	84.9	7.9946	.7033	18.41.8	B	7 12 "
4	31·760	17·57	83.4	11.18	84.5	.9894	.7034	18.41.6	B	8 12 "
5	30.664	.1854	83.0	11.15	84.3	8.0053	.7031	18.39.4	C	9 12 "
6	30.733	18.37	82.8	11.16	84.0	.0025	.7032	18.39.7	C	10 12 "
7	31.075	18.07	82.4	11.17	83.6	7.9977	.7033	18.40.5	C	11 12 "
8	31.281	19.40	82.4	11.18	83.4	8.0194	.7034	18.37.7	C	Midnight.
9	30.322	19.23	82.4	11.19	83.0	.0166	.7035	18.38.1	R	1 12 a. m.
10	29.638	19.51	82.0	11.09	83·0	.0212	.7024	18.37.1	R	2 12 "
11	28.542	19.93	82.0	11.09	83.0	.0280	.7024	18.36.2	R	3 12 "

DAILY OBSERVATIONS, FROM 10TH TO 13TH OCTOBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. + In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Oct. 10th—12	28·7747	19.84	81·9	11.13	82·7	8.0266	2.7029	18°36′5	R	4 12 a. m.
13	28.474	19.72	81·8	11.13	82.7	.0246	.7029	18.36.7	B	5 12 „
14	29.774	19.11	81·7	11.13	82·7	.0246	.7029	18.38.0	B	6 12 „
15	31·281	18.86	81.7	11.14	82·6	.0105	.7030	18.38.7	B	7 12 „
16	31.897	19.07	82.1	11.13	82.6	.0140	.7029	18.38.2	B	8 12 „
17	31.281	19.18	83.0	11.14	82.9	.0157	.7030	18.38.0	C	9 12 „
18	31.007	19.23	83.7	11.14	83.3	.0166	.7030	18.37.9	C	10 12 „
19	29·364	19.56	84.8	11.15	84.0	.0220	.7031	18.37.2	C	11 12 „
20	27.994	19.78	85.5	11.15	84·9	.0256	.7031	18.36.7	C	Noon.
21	28.679	19.79	86.0	11.16	85.2	.0258	.7032	18.36.7	R	1 12 p. m.
22	29.432	19.88	86.3	11.18	86.0	.0272	.7034	18.36.7	R	2 12 „
23	29.159	19.98	86.5	11·20	86.5	.0288	.7037	18.36.6	R	3 12 „
Oct. 11th-Noon.	29.569	20.00	86.2	11.24	86.7	.0292	.7041	18.36.7	R	4 12 „
1	29.911	19.63	85.6	11.30	86.6	.0233	.7048	18.37.8	B	5 12 „
2	30.664	19.58	84.6	11.26	85.9	.0223	.7043	18.37.7	B	6 12 „
3	30.733	19.56	84.2	11.23	85.6	.0220	.7040	18.37.6	B	7 12 „
4	30.116	19.55	83.8	11.23	85.0	.0218	.7040	18.37.6	B	8 12 „
5	29.774	20.02	83.6	11.21	84.8	.0295	.7038	18.36.5	C	9 12 „
6	29.569	19.91	83.4	11.22	84.6	.0277	.7039	18.36.8	C	10 12 „
7	29.911	19.94	83.0	11.24	84.4	.0282	.7041	18.36.9	C	11 12 „
8	29.638	19.99	83.0	11.24	84.0	.0290	.7041	18.36.7	C	Midnight.
9	29.774	19.90	82.8	11.21	83·6	.0275	.7038	18.36.8	R	1 12 a. m.
10	29·774	19.97	82.9	11.21	83.5	.0287	.7038	18.36.6	R	2 12 „
11	29.432	20.04	83.0	11.21	83.5	.0299	.7038	18.36.5	R	3 12 „
12	29.159	20.05	82.8	11.20	83.3	.0300	.7037	18.36.5	R	4 12 „
13	29.159	20.06	82.6	11.18	83.2	.0302	.7034	18.36.3	B	5 12 „
14	29.843	20.01	82.5	11.15	83.2	.0294	.7031	18.36.3	B	6 12 „
15	30.664	19.85	82.5	11.14	83.1	.0267	.7030	18.36 6	B	7 12 „
16	30.528	20.19	82.9	11.12	83.3	.0323	.7028	18.35.8	B	8 12 „
17	30.390	20.64	83.8	11.11	83.6	.0397	.7027	18.34.8	C	9 12 „
18	29.774	20.74	84.5	11.09	84.0	.0414	.7024	18.34.5	C	10 12 „
19	28.953	20.85	85.4	11.09	84.8	.0431	.7024	18.34.2	C	11 12 „
20	29.021	20.48	85.7	11.10	85.3	.0371	.7026	18.35.1	C	Noon.
21	29.090	20.43	86.0	11.07	85.5	.0363	.7022	18.35.0	R	1 12 p. m.
22	29.774	20.07	86.2	11.08	86.0	.0304	.7023	18.35.9	R	2 12 „
23	31.213	20.07	86.2	11.09	86.4	.0304	.7024	18.35.9	R	3 12 „
Oct. 13th-Noon.	30.528	20.44	85.6	11.10	86.6	.0365	.7026	18.35.1	B	4 12 „
1	29.843	20.24	84.6	11.06	86.0	.0332	.7021	18.35.4	B	5 12 „
2	29.364	19.92	83.9	11.04	85.3	.0278	.7019	18.36.0	B	6 12 „
3	29.159	20.15	83.9	11.06	85.2	.0316	.7021	18.35.5	B	7 12 „
4	29.364	20.30	83.8	11.05	85.0	.0341	.7020	18.35.3	B	8 12 „
5	29.159	20.15	83.6	11.10	84.8	.0316	.7026	18.35.7	C	9 12 „
6	29.843	19.90	83.5	11.12	84.6	.0275	.7028	18.36.4	C	10 12 „
7	28.884	20.37	83.3	11.14	84.5	.0353	.7030	18.35.5	C	11 12 „
8	29.843	20.05	83.0	11.08	84.0	.0300	.7023	18.35.9	C	Midnight.
9	29.774	20.05	83.0	11.12	84 0	.0300	.7028	18.36.1	R	1 12 a. m.
10	29.432	20.47	82.9	11.11	83.7	.0370	.7027	18.35.2	R	2 12 „
11	29.774	20.22	82.6	11.11	83.5	.0328	.7027	18.35.7	R	3 12 „
12	29.774	20.05	82.2	11.12	83.2	.0300	.7028	18.36.1	R	4 12 „
13	29.432	20.08	82.0	11.10	83.2	.0305	.7026	18.35.9	B	5 12 „
14	29.432	20.26	81.7	11.10	83.2	.0335	.7026	18.35.5	B	6 12 „
15	30.322	20.19	81.9	11.09	82.9	.0323	.7024	18.35.6	B	7 12 „
16	30.116	20.96	82.5	11·09	83.1	.0449	.7024	18.33.9	B	8 12 „
17	29.638	21.09	83.1	11.09	83.7	.0471	.7024	18.33.7	C	9 12 „
18	28.953	21.46	83.6	11.11	84.0	.0532	.7027	18.33.1	C	10 12 „
19	28.062	21.50	84.5	11.13	84.2	.0543	.7029	18.33.0	C	11 12 „
20	27.377	21.29	85 0	11.12	84.8	.0504	.7028	18.33.5	C	Noon.
21	28.199	21.08	85.9	11.17	85.5	.0469	.7033	18.34.1	R	1 12 p. m.
22	28.953	20.80	86.0	11.18	86.0	.0423	.7034	18.34.7	R	2 12 „
23	29.432	20.60	86.1	11.20	86.5	.0390	.7037	18.35.3	R	3 12 „

On the 10th, at about 19h. 55m., Dip as obtained by Observation was 18°40′6.
On the 11th, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 14TH TO 16TH OCTOBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Oct. 14th-Noon.	29·295	20.35	85°6	11.20	86°5	8.0349	2.7037	18°35′8	R	4 12 p. m.
1	29.295	20.32	84.9	11.03	86.1	.0344	.7018	18.35.2	B	5 12 "
2	28.816	20.18	84.3	11.12	85.5	.0321	.7028	18.35.8	B	6 12 "
3	29.021	20.17	84.0	11.15	85.0	.0320	.7031	18.35.9	B	7 12 "
4	29.159	20.26	83.9	11.13	84.9	.0335	.7029	18·35.6	B	8 12 "
5	29.021	20.30	83.8	11.15	84.9	.0341	.7031	18.35.7	C	9 12 "
6	29.159	20.23	83.5	11.14	84.8	.0330	.7030	18.35.8	C	10 12 "
7	29.638	20.11	83.4	11.15	84.5	.0310	.7031	18.36.1	C	11 12 "
8	29.843	20.28	83.3	11.13	84.4	.0338	.7029	18·35.6	C	Midnight.
9	30.253	20.04	83.1	11.12	84.0	.0299	.7028	18.36.1	R	1 12 a. m.
10	29.227	20.24	83.0	11.12	84.0	.0332	.7028	18.35.7	R	2 12 "
11	29.706	20·39	82.7	11.11	83.5	.0356	.7027	18.35.3	R	3 12 "
12	29.706	20.27	82.6	11·10	83.4	.0337	.7026	18.35.5	R	4 12 "
13	29.501	20.28	82.4	11.10	83.4	.0338	.7026	18.35.5	B	5 12 "
14	29.911	20.31	82.3	11.16	83.3	.0343	.7032	18·35.7	B	6 12 "
15	30.253	20.46	82.3	11.14	83.1	.0368	.7030	18.35.3	B	7 12 "
16	29.638	20.82	82.8	11.12	83.2	.0426	.7028	18.34.4	B	8 12 "
17	29.501	21.29	84.0	11.11	83.6	.0504	.7027	18.33.5	C	9 12 "
18	29.159	21.46	85.1	11.11	84.2	.0532	.7027	18.33.1	C	10 12 "
19	27.720	21.66	85.8	11.13	84.9	.0564	.7029	18.32.7	C	11 12 "
20	28.062	21.43	86.6	11.17	85.5	.0527	.7033	18.33.3	C	Noon.
21	29.021	21.02	86.6	11.20	86·0	.0459	.7037	18.34.4	R	1 12 p. m.
22	29.159	20.74	86·7	11.22	86.5	.0414	.7039	18.35.1	R	2 12 "
23	29.774	20.41	86.7	11.20	86.7	.0360	.7037	18.35.7	R	3 12 "
Oct. 15th-Noon.	29.706	20.22	86.5	11.21	86.9	.0328	.7038	18.36.1	R	4 12 "
1	28.884	20·20	85.6	11.20	86.5	.0325	.7037	18.36.1	B	5 12 "
2	29.021	20.00	84.7	11.19	85.7	.0292	.7035	18.36.5	B	6 12 "
3	29.159	19.92	84.5	11.19	85.5	.0278	.7035	18.36.7	B	7 12 "
4	28.953	19.98	83.5	11.15	85.0	.0288	.7031	18.36.3	B	8 12 "
5	29.090	19.96	83.3	11.16	84.6	.0285	.7032	18.36·3	C	9 12 "
6	29.090	20.33	83.5	11.16	84·5	.0346	.7032	18.35.5	C	10 12 "
7	29.159	20.24	83.4	11.18	84.5	.0332	.7034	18.35.9	C	11 12 "
8	29·432	20.24	83.3	11.16	84.5	.0332	.7032	18.35.8	C	Midnight.
9	29.569	20.21	83.1	11.14	84·0	·0327	.7030	18.35.8	R	1 12 a. m.
10	29.569	20·24	83.0	11.12	84.0	.0332	.7028	18.35.7	R	2 12 "
11	29.090	20.42	82.9	11.11	83.8	.0361	.7027	18·35.3	R	3 12 "
12	29·159	20.40	82.8	11.11	83.6	.0358	.7027	18.35.3	R	4 12 "
13	29.227	20.39	82.8	11.13	83·5	.0356	.7029	18.35.3	B	5 12 "
14	29.432	20.26	82.3	11.15	83.3	.0335	.7031	18.35.7	B	6 12 "
15	30.596	20.24	82.2	11.20	83.2	.0332	.7037	18.36.1	B	7 12 "
16	30·664	20.57	82.5	11.23	83.1	.0386	.7040	18·35.4	B	8 12 "
17	30.596	20.95	83.4	11.23	83.5	.0447	.7040	18.34.6	C	9 12 "
18	29.970	21.31	83.9	11.23	83.8	.0507	.7040	18.33.9	C	10 12 "
19	28.474	21.57	84.5	11.23	84.4	.0550	.7040	18.33·3	C	11 12 "
20	27.925	21.40	85.0	11.25	85.0	.0522	.7042	18.33.7	C	Noon.
21	28.405	21.17	85.5	11·26	85.4	.0484	.7043	18.34.4	R	1 12 p. m.
22	29·159	20.96	85.6	11.28	85.9	.0449	.7045	18.34.8	R	2 12 "
23	29.843	20.70	85.6	11.28	86.0	.0407	.7045	18.35.4	R	3 12 "
Oct. 16th-Noon.	30.459	20.49	85.2	11.28	86.1	.0373	.7045	18.35·9	R	4 12 "
1	30.185	20.40	84.3	11.27	85.6	.0358	.7044	18.35.9	B	5 12 "
2	29.843	19.98	83.5	11.19	84.8	.0288	.7035	18.36.5	B	6 12 "
3	29.843	19.95	83.2	11.19	84.5	.0283	.7035	18.36·7	B	7 12 "
4	29.227	20.19	83.0	11.17	84.0	.0323	.7034	18.36.0	B	8 12 "
5	29.090	20.17	82.6	11.16	83.9	.0320	.7032	18.35.9	C	9 12 "
6	29.501	20.26	82.3	11.16	83.7	.0335	.7032	18.35.7	C	10 12 "
7	29.501	20.26	82.0	11.18	83.3	.0335	.7035	18·35.9	C	11 12 "
8	29.706	20.28	82.0	11.17	83.0	.0338	.7033	18.35.8	C	Midnight.
9	29.432	20·31	82.0	11.19	83.0	.0343	.7035	18.35.9	R	1 12 a. m.
10	29.432	20·28	82.0	11.19	82.9	.0338	.7035	18.35.9	R	2 12 "
11	29.432	20.36	81.7	11.18	82.6	.0351	.7034	18.35.6	R	3 12 "

On the 14th, at about 19h. 30m., Dip as obtained by Observation was 18°04′7.

DAILY OBSERVATIONS, FROM 16TH TO 18TH OCTOBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Oct. 16th—12	29·569	20.23	81°3	11.08	82°5	8.0330	2.7023	18°35′5	R	4 12 a. m.
13	29.159	20.25	81.1	11 11	82.1	·0333	.7027	18.35 7	B	5 12 „
14	29.159	20.53	81.0	11.11	82.0	.0363	.7027	18.35.3	B	6 12 „
15	30·459	20.36	81.1	11.10	82.0	.0351	.7026	18.35.3	B	7 12 „
16	29·227	20.68	81.5	11.10	82.1	.0403	.7026	18.34·7	B	8 12 „
17	27.720	20.89	81.9	11.11	82·3	.0438.	.7027	18.34.3	C	9 12 „
18	26.762	21.24	82.7	11.13	82·7	.0496	.7029	18.33.5	C	10 12 „
19	25 255	21.45	83.4	11.14	83.0	.0530	.7030	18.33.2	C	11 12 „
20	25·803	21.36	84.1	11.14	83.4	.0515	.7030	18.33.3	C	Noon.
21	27.104	21.11	84.8	11.17	84·2	.0474	.7033	18.34.1	R	1 12 p. m.
22	27.789	20.78	85.0	11.16	84.8	.0420	.7032	18.34.6	R	2 12 „
23	28.542	20.62	85.0	11.15	85.0	.0393	.7031	18·35.0	R	3 12 „
Oct. 17th-Noon.	29.159	20.56	84.8	11.16	85.3	.0384	.7032	18.35.2	R	4 12 „
1	28.816	20.38	83.8	11.18	84.8	.0354	.7034	18.35.6	B	5 12 „
2	28.747	20.18	82.9	11·14	84.0	.0321	.7030	18.35.9	B	6 12 „
3	28.131	20.30	82.5	11.15	83.6	.0341	.7031	18.35.7	B	7 12 „
4	29.227	20.22	82.2	11.12	83.4	.0328	·7028	18.35.7	B	8 12 „
5	29.090	20.31	82.0	11.11	83.0	.0343	.7027	18.35.6	C	9 12 „
6	29.090	20.21	81.7	11·11	82.9	.0327	.7027	18.35.8	C	10 12 „
7	29.159	20.32	81.5	11.12	82.6	.0344	.7028	18.35.6	C	11 12 „
8	29.432	20.32	81.2	11.12	82.5	.0344	.7028	18.35.6	C	Midnight.
9	29.432	20.38	81.0	11.06	82·0	.0354	.7021	18.35·1	R	1 12 a. m.
10	29.432	20 37	80.8	11·06	82.0	.0353	.7021	18.35.1	R	2 12 „
11	29.090	20.33	80.7	11.05	81.7	.0346	.7020	18.35.1	R	3 12 „
12	29.638	20.44	80·5	11.05	81 5	.0365	.7020	18.34.9	R	4 12 „
13	29.031	20.30	80.0	11.09	81.3	.0341	.7024	18.35.4	B	5 12 „
14	29.159	20.36	79·8	11.06	81.2	·0351	.7021	18.35.1	B	6 12 „
15	30.801	20.40	80.0	11.07	81.0	.0358	.7022	18·35.0	B	7 12 „
16	30.801	20.82	80.6	11.06	81.3	.0426	.7021	18.34.1	B	8 12 „
17	29·638	21.08	81.0	11.08	81.9	.0469	.7023	18.33.7	C	9 12 „
18	28.542	21.35	82·2	11.08	82.2	.0513	.7023	18.33.2	C	10 12 „
19	28.131	21.60	82.8	11.09	82.6	.0554	.7024	18.32.6	C	11 12 „
20	28.610	21.40	83·1	11·11	83.0	.0522	·7027	18.33.2	C	Noon.
21	28.679	21.07	83.7	11.11	83.5	·0468	.7027	18.33.9	R	1 12 p. m.
22	29.501	20.82	83.9	11.12	84.0	.0426	.7028	18.34.4	R	2 12 „
23	29.638	20.60	83.8	11.13	84.2	.0390	.7029	18.34.9	R	3 12 „
Oct. 18th-Noon.	29.295	20.49	83.4	11.02	84.1	.0373	.7017	18.34.8	R	4 12 „
1	28.474	20.48	82.6	11.07	84.0	.0371	.7022	18.34.9	B	5 12 „
2	28.953	20.16	82.0	11.12	83.3	.0318	.7028	18.35.8	B	6 12. „
3	29·501	20.14	81.6	11.08	82.8	.0315	.7023	18.35.6	B	7 12 „
4	29.501	20.22	81.5	11.08	82.7	.0328	.7023	18.35.5	B	8 12 „
5	29.295	20.11	81.1	11.07	82·4	.0310	.7022	18.35.7	C	9 12 „
6	29.638	20.15	80.9	11.06	82·4	.0316	.7021	18.35.5	C	10 12 „
7	29.638	20.20	80.8	11.04	81.9	.0330	.7019	18.35.3	C	11 12 „
8	29.706	20.29	80.6	11.05	81.8	.0340	.7020	18.35.3	C	Midnight.
9	29.843	20.28	80.4	11.03	81.5	.0338	.7018	18.35.2	R	1 12 a. m.
10	29.432	20.42	80.4	11.04	81.2	.0361	.7019	18.34.9	R	2 12 „
11	29.432	20.35	80.0	11.03	81·0	.0349	.7018	18.35.0	R	3 12 „
12	29.090	20.35	80.0	11.03	81.0	.0349	.7018	18.35.0	R	4 12 „
13	29.364	20.41	79.8	11.02	80.7	.0360	.7017	18.34.9	B	5 12 „
14	29.227	20.41	79.8	11.04	80.7	.0360	.7019	18·34.9	B	6 12 „
15	29.021	20.37	79.0	11.07	80.5	.0353	.7022	18.35.1	B	7 12 „
16	29.774	20.91	80.2	11.07	80.8	.0441	.7022	18.34.0	B	8 12 „
17	29.295	21.36	81.0	11.07	81.0	.0515	.7022	18.32·9	C	9 12 „
18	27.651	21.70	81.9	11.07	81.7	.0571	.7022	18.32·3	C	10 12 „
19	26.762	21.82	82.5	11.09	82.2	·0590	.7024	18.32·1	C	11 12 „
20	26·762	21.83	83.3	11.11	82.6	.0592	.7027	18.32.3	C	Noon.
21	27.377	21·58	83.9	11.13	83.2	.0551	.7029	18.32.8	R	1 12 p. m.
22	28.542	21.21	84.2	11.16	83.8	.0491	.7032	18.33.7	R	2 12 „
23	29.774	20.84	84.1	11.17	84.0	·0430	.7033	18.34.6	R	3 12 „

On the 17th, at about 20h. 10m., Dip as obtained by Observation was 17°33′3.
On the 18th, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 20TH TO 22ND OCTOBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Oct. 20th-Noon.	29·569	20.69	84°8	11.23	85°6	8.0405	2.7040	18°35′2	H	4 12 p. m.
1	29·364	20.50	83.8	11.20	84 9	.0374	.7037	18.35.6	H	5 12 ,,
2	28.747	20.40	83.3	11.19	84.5	.0358	.7035	18.35.6	H	6 12 ,,
3	29.227	20.14	83.0	11.17	84.1	.0315	.7033	18.36.0	H	7 12 ,,
4	29.569	20.11	82.6	11.16	83.7	.0310	.7032	18.36.1	H	8 12 ,,
5	29.227	20.22	82.2	11.19	83.5	.0328	.7035	18.36.0	C	9 12 ,,
6	29.364	20.27	82.0	11.16	83.0	.0337	.7032	18.35.7	C	10 12 ,,
7	29.569	20.36	82.0	11.16	83.0	.0351	.7032	18·35.5	C	11 12 ,,
8	29.432	20.54	81.9	11·19	83.0	.0381	.7035	18.35.4	C	Midnight.
9	29.159	20.54	81.9	11.18	82.8	.0381	.7034	18.35.3	R	1 12 a. m.
10	29.159	20.35	81.8	11.48	82.5	.0349	.7067	18.36.9	R	2 12 ,,
11	29.090	20.29	81.6	11.47	82.4	.0340	.7066	18.37.0	R	3 12 ,,
12	29.159	20.15	81.3	11.51	82.0	.0316	.7071	18.37.4	R	4 12 ,,
13	28.884	20.28	81.0	11.51	81.9	.0338	.7071	18.37.2	H	5 12 ,,
14	28.474	20.30	80.6	11.51	81.7	.0341	.7071	18.37.2	H	6 12 ,,
15	28.747	20.53	80.7	11.50	81.6	.0379	.70[illegible]	18.36.7	H	7 12 ,,
16	29.774	21.01	81.2	11.52	82.0	.0458	.7[illegible]	18.35.6	H	8 12 ,,
17	29.432	21.50	82.2	11.56	82.5	.0538	.7[illegible]	18.34.8	C	9 12 ,,
18	29.432	21.83	83.5	11.59	83.0	.0592	.7079	18.34.2	C	10 12 ,,
19	28.816	22.05	84.6	11·63	83.8	.0628	.7084	18.33.9	C	11 12 ,,
20	28.747	21.87	85.0	11.63	84.4	.0599	.7084	18.34.3	C	Noon.
21	29.090	21.65	85.2	11.65	85.0	.0562	.7086	18.34.9	R	1 12 p. m.
22	29.090	21.45	86.0	11.67	85.6	.0536	.7088	18.35.4	R	2 12 ,,
23	29.569	21.19	86.0	11.68	86.1	.0487	.7089	18.35.9	R	3 12 ,,
Oct. 21st-Noon.	30.116	21.01	85.6	11.70	86.5	.0458	.7092	18.36.3	R	4 12 ,,
1	29.638	20.81	84.8	11.73	86.0	.0425	.7095	18.36.9	H	5 12 ,,
2	28.953	20.67	84.0	11.66	85 4	.0402	.7087	18.37.1	H	6 12 ,,
3	29.227	20.58	83·5	11.65	85.0	.0387	.7086	18.37.1	H	7 12 ,,
4	29.021	20.56	83.6	11.65	85.0	.0384	.7086	18.37.4	H	8 12 ,,
5	29.021	20.49	83.7	11.65	84.9	.0373	.7084	18.37.3	C	9 12 ,,
6	29.090	20.39	83.3	11.64	84.7	.0356	.7085	18.37.5	C	10 12 ,,
7	29.159	20.48	83.2	11.60	84.1	.0371	.7081	18.37.2	C	11 12 ,,
8	29.159	20.48	83.1	11.62	84.0	.0371	.7083	18.37.3	C	Midnight.
9	29.090	20.53	83.0	11.62	84.0	.0379	.7083	18.37.2	R	1 12 a. m.
10	29·159	20.48	82.7	11.61	83.7	·0371	.7082	18.37.2	R	2 12 ,,
11	29.159	20·55	82.5	11.61	83.5	.0382	.7082	18.37·1	R	3 12 ,,
12	29·295	20.50	82.5	11.59	83.4	.0374	.7079	18.37.[illegible]	R	4 12 ,,
13	28.884	20.52	82.6	11.57	83.5	.0377	.7077	18.37.0	H	5 12 ,,
14	28.884	20.51	82.2	11.56	83.2	.0376	.7076	18·36.9	H	6 12 ,,
15	29.432	20·61	82.2	11.58	83.2	.0392	.7078	18.36.8	H	7 12 ,,
16	30.116	20.94	82.5	11.60	83·3	.0446	·7081	18·36.1	H	8 12 ,,
17	30·459	21.32	82·2	11.55	83.0	.0507	·7075	18.35.2	C	9 12 ,,
18	29.432	21.80	82.3	11.54	83.0	.0587	·7074	18.34.0	C	10 12 ,,
19	28.679	22.09	83.4	11.55	83.2	.0635	.7075	18.33.5	C	11 12 ,,
20	28.336	21·98	84.0	11.57	83.9	.0616	.7077	18.33.8	C	Noon.
21	29.090	21.53	84.0	11.52	84.0	.0543	.7072	18.34.6	R	1 12 p. m.
22	29·774	21.23	83.6	11.62	84.0	.0494	.7083	18.35.7	R	2 12 ,,
23	30.459	21.02	83.4	11.62	84.0	.0459	.7083	18.36.1	R	3 12 ,,
Oct. 22nd-Noon.	30.253	20.80	83.3	11.62	84.0	.0423	.7083	18.36.6	R	4 12 ,,
1	29.364	20.79	83.2	11.59	83.8	.0422	.7079	18.36.4	H	5 12 ,,
2	28.747	20.41	80.6	11.52	82.2	.0360	.7072	18.36.9	H	6 12 ,,
3	29.090	20.36	·80.6	11.52	82.2	.0351	.7072	18.37.0	H	7 12 ,,
4	28·953	20.36	80·9	11.51	82.0	.0351	.7071	18.37.0	H	8 12 ,,
5	28.747	20.34	81.0	11.56	82.0	.0348	.7076	18.37.2	C	9 12 ,,
6	29.159	20.38	81.0	11.56	82.0	.0354	.7076	18.37.2	C	10 12 ,,
7	29.364	20.24	80.9	11.54	81.9	.0332	.7074	18.37.4	C	11 12 ,,
8	29.227	20.37	80·9	11.56	82.0	.0353	.7076	18.37.2	C	Midnight.
9	29.090	20·46	81.0	11.56	82.0	.0368	.7076	18.37.0	R	1 12 a. m.
10	29.090	20.51	81.0	11.56	82.0	.0376	.7076	18.36.9	R	2 12 ,,
11	29.090	20.53	81.0	11.56	82.0	.0379	.7076	18.36.9	R	3 12 ,,

On the 21st, at about 20h. 30m., Dip as obtained by Observation was 19°26′9.

DAILY OBSERVATIONS, FROM 22ND TO 24TH OCTOBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Oct. 22nd—12	29·090	20.52	81°2	11.56	82°0	8.0377	2.7076	18°36′9	R	4 12 a. m.
13	29.227	20.53	81.3	11.54	82.0	.0379	.7074	18.36.8	H	5 12 „
14	29.159	20.64	81.3	11.56	82.0	.0397	.7076	18.36.6	H	6 12 „
15	29.706	20.72	81.4	11.71	82.0	.0410	.7093	18.37.2	H	7 12 „
16	30.528	21.25	81.8	11.67	82.2	.0498	.7088	18.35.8	H	8 12 „
17	30.596	21·58	82.8	11.66	82.7	.0551	.7087	18.33.8	C	9 12 „
18	30.048	21.91	83.8	11·64	83.2	.0605	.7085	18.33.0	C	10 12 „
19	28.268	21.99	84.6	11.66	84.0	.0618	.7087	18.34.2	C	11 12 „
20	28.268	21.81	85.6	11.74	84·7	.0589	.7096	18.34.9	C	Noon
21	28.679	21.67	86.5	11.77	85.5	.0566	.7099	18.35.3	R	1 12 p. m.
22	29.569	21·48	86.5	11.68	85.9	.0535	.7089	18.35.3	R	2 12 „
23	30.116	21.21	86.0	11·68	86.0	.0491	.7089	18.35.9	R	3 12 „
Oct. 23rd—Noon.	29.774	21.13	86.0	11.69	86.3	.0472	.7090	18.36.3	R	4 12 „
1	29.021	21.04	85.5	11.68	86·0	.0463	.7089	18.36·3	H	5 12 „
2	29.432	20.50	82.8	11.64	84.5	.0374	.7085	18.37.4	H	6 12 „
3	29.432	20.37	81.8	11.65	83.4	.0353	.7086	18.37.6	H	7 12 „
4	29.432	20.19	80.9	11.63	82.8	.0323	.7084	18.37.9	H	8 12 „
5	29.432	20.29	80.8	11·63	82.0	.0340	.7084	18.37.7	C	9 12 „
6	28.747	20.35	80.6	11.60	81.8	.0349	.7081	18·37.4	C	10 12 „
7	28.884	20.37	80.7	11.65	81.8	.0353	.7086	18.37.6	C	11 12 „
8	29.159	20 40	80·8	11·65	81·7	.0358	.7086	18.37.5	C	Midnight.
9	29·090	20.53	80.7	11.65	81.8	·0379	.7086	18·37.3	R	1 12 a. m.
10	29.090	20.56	80.6	11.62	81.6	.0384	.7083	18.37.2	R	2 12 „
11	29.021	20.59	80.5	11.61	81.6	·0389	.7082	18.36.9	H	3 12 „
12	28.816	20 57	80.4	11.61	81.6	.0386	.7082	18.36.9	H	4 12 „
13	28·679	20.70	80.4	11.65	81.5	·0407	.7086	18.36.9	C	5 12 „
14	29.021	20.64	80.4	11.65	81.4	.0397	.7086	18.37.0	C	6 12 „
15	29.774	20.61	80.4	11.65	81.4	.0392	.7086	18.36·1	R	7 12 „
16	29.970	21.02	81.5	11.65	81.7	.0459	.7086	18.36.2	R	8 12 „
17	29.364	21.34	82.4	11.67	82.3	.0512	.7088	18.35.7	H	9 12 „
18	28.268	21·54	83.1	11.64	82.8	.0545	.7085	18.35.0	H	10 12 „
19	27.243	21·65	84.2	11·70	83.4	.0562	.7092	18.35.1	C	11 12 „
20	27.035	21.60	85.5	11.73	84.3	.0554	.7095	18.35.4	C	Noon.
21	27.925	21.44	85.6	11.74	84.6	.0529	.7096	18.35.8	R	1 12 p. m.
22	29.090	21·56	86.0	11.78	85.0	.0548	.7100	18.35.6	R	2 12 „
23	29.843	19.61	86.0	11.78	85.5	.0230	.7100	18.39.8	H	3 12 „
Oct. 24th—Noon.	30.390	19.24	85.6	11.72	85·8	.0168	.7094	18.40.3	H	4 12 „
1	29·843	18.61	85.0	11.78	85.4	.0064	.7100	18.42.0	C	5 12 „
2	29 638	18·16	83.3	11·75	84.9	7.9990	.7097	18.42.8	C	6 12 „
3	31.418	18.32	82·9	11.69	84.0	8.0015	.7090	18.42.1	N	7 12 „
4	30.322	18.72	82.6	11.64	83.7	.0082	.7085	18.41·2	N	8 12 „
5	30.596	18.46	82.0	11.64	83.2	.0040	.7085	18.41.7	H	9 12 „
6	30.528	18.72	81.8	11.69	83.0	.0082	·7090	18.41.4	H	10 12 „
7	29.774	19.36	81.6	11.68	82.7	.0187	.7089	18.39.8	C	11 12 „
8	29.638	19.33	81.3	11.68	82.6	.0182	.7089	18.40.0	C	Midnight.
9	29.970	19.57	81.2	11.67	82.2	.0222	.7088	18.39.4	R	1 12 a. m.
10	30.801	19.03	81.0	11.66	82.0	·0133	.7087	18.40.6	R	2 12 „
11	30.801	19.29	80.8	11.66	82.0	·0176	.7087	18·40.0	R	3 12 „
12	30.801	19.43	80.7	11.66	81.9	.0199	.7087	18.39.7	R	4 12 „
13	29.970	19.45	80.3	11.67	81.5	.0202	.7088	18.39.7	H	5 12 „
14	30.116	19.38	80.3	11.64	81.4	.0190	.7085	18.39.7	H	6 12 „
15	30.185	19.39	80.6	11.67	81.5	.0192	.7088	18.39.8	H	7 12 „
16	29.970	19.96	81.0	11·67	81.7	.0285	.7088	18.38.5	H	8 12 „
17	29.501	19.92	81.8	11.67	81.9	.0278	.7088	18.38.7	C	9 12 „
18	28.062	19.85	82.8	11.66	82.3	.0267	.7087	18.38.8	C	10 12 „
19	28.336	19.69	83.9	11.69	83.0	.0243	.7090	18.39.3	C	11 12 „
20	28.542	19.92	84.5	11.72	83.6	.0278	.7094	18.38.9	C	Noon.
21	28.884	20.17	85.0	11.73	84.0	.0320	.7095	18.38.4	R	1 12 p. m.
22	29.159	20.19	85.0	11.74	84.6	.0323	.7096	18.38.4	R	2 12 „
23	29.794	20.00	85.0	11.75	85.0	.0292	.7097	18.38.9	R	3 12 „

On the 24th, at about 9h. 30m., Dip as obtained by Observation was 19°16′2.

DAILY OBSERVATIONS, FROM 25TH TO 28TH OCTOBER 1861.

DATE. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE, Bombay Civil Time. 1861.
h.										h. m.
OCT. 25TH-Noon.	29·774	19.84	84·8	11.75	85·0	8.0266	2.7097	18°39·2	R	4 12 p. m.
1	29.774	19.59	84.1	11.75	84.9	.0225	.7097	18.39.7	H	5 12 „
2	29.843	19.48	83.6	11.72	84.0	.0207	.7094	18.39.8	H	6 12 „
3	29.911	19.37	83.0	11.76	83.9	.0189	.7098	18.40.2	H	7 12 „
4	29.970	19.35	82.8	11.78	83.6	.0185	.7100	18.40.3	H	8 12 „
5	29.774	19.38	82.4	11.80	83.4	.0190	.7103	13.40.4	C	9 12 „
6	29.970	19.19	82.2	11.80	83.2	.0159	.7103	18.40.8	C	10 12 „
7	30.322	19.21	82.0	11.79	83.0	.0163	.7101	18.40.7	C	11 12 „
8	30.390	19.27	81.8	11.77	82.9	.0173	.7099	18.40.5	C	Midnight.
9	30.459	19.27	81.8	11.78	82.7	.0173	.7100	18.40.6	R	1 12 a. m.
10	30.459	19.37	81.8	11.78	82.6	.0189	.7100	18.40.3	R	2 12 „
11	30.253	19.52	81.5	11.77	82.4	.0213	.7099	18.40.0	R	3 12 „
12	29.774	19.57	81.2	11.77	82.2	.0223	.7099	18.39.8	R	4 12 „
13	29.432	19.51	80.9	11.76	81.9	.0213	.7098	18.40.0	H	5 12 „
14	29.432	19.62	80.8	11.75	81.8	.0231	.7097	18.39.7	H	6 12 „
15	30.116	19.59	80.8	11.77	81.8	.0225	.7099	18.39.7	H	7 12 „
16	31·486	19.96	81.4	11.80	82.0	.0285	.7103	18.39.1	H	8 12 „
17	31.623	20.48	82.5	11.81	82·4	.0371	.7104	18.38.1	C	9 12 „
18	30.459	20.71	83.5	11·84	83.0	.0409	.7107	18.37.8	C	10 12 „
19	29·911	20.49	84.6	11.85	83.8	.0373	.7108	18.38.3	C	11 12 „
20	29·774	20.51	85·4	11.89	84.4	.0376	.7112	18.38.3	C	Noon.
21	30.048	20.27	85.8	11.88	85.0	.0337	.7111	18.38.8	R	1 12 p. m.
22	30.116	20.38	86.0	11.89	85.5	.0354	.7112	18.38.6	R	2 12 „
23	30.116	20.29	86.2	11.90	86.0	.0340	.7114	18.38.9	R	3 12 „
OCT. 27TH-Noon.	28.953	20.60	86.0	11.90	86.7	.0390	.7114	18.38.2	H	4 12 „
1	28.062	20.44	85.0	11.90	86.0	.0365	.7114	18.38.5	H	5 12 „
2	27.720	20.37	84.3	11.92	85.7	.0353	.7116	18.38.8	H	6 12 „
3	28.268	20.30	83.9	11.92	85.4	.0341	.7116	18.39.0	H	7 12 „
4	28.062	20.22	83.4	11.89	85.0	.0328	.7112	18.38.9	H	8 12 „
5	27.925	20·27	83.3	11.87	84.9	.0337	.7110	18.38.8	C	9 12 „
6	27.925	20.22	83.2	11.86	84.6	.0328	.7109	18.38.8	C	10 12 „
7	28.062	20.31	83.0	11.84	84.0	.0343	.7107	18.38.7	C	11 12 „
8	28.199	20.37	82.9	11.82	84.0	.0353	.7105	18.38.4	C	Midnight.
9	27.994	20.49	82.7	11.82	83.9	.0373	.7105	18.38.2	R	1 12 a. m.
10	28.268	20.45	82.5	11·81	83.5	.0366	.7104	18.38.1	R	2 12 „
11	28.268	20.43	82.2	11.82	83.2	.0363	.7105	18.38.3	R	3 12 „
12	27.789	20.59	81.9	11.79	83.0	.0389	.7101	18.37.7	R	4 12 „
13	27.789	20.30	81.6	11.79	82.9	.0341	.7101	18.38.4	H	5 12 „
14	27.583	20.90	81.4	11.78	82.5	.0439	.7100	18.37.1	H	6 12 „
15	28.062	20.94	81.6	11.76	82.7	.0446	.7098	18.36.8	H	7 12 „
16	28.474	20.97	82.0	11.78	82.8	.0451	.7100	18.36.9	H	8 12 „
17	28.474	21.15	83.0	11.77	83.0	.0480	.7099	18.36.5	C	9 12 „
18	27.172	21.69	84.0	11.77	83.5	.0569	.7099	18 35.3	C	10 12 „
19	26.282	22·05	84.8	11.77	84.1	.0628	.7099	18.34.5	C	11 12 „
20	27.377	21.62	85.7	11.81	85.3	.0557	.7104	18.35.6	C	Noon.
21	28.425	21.17	87.0	11.84	86.3	.0484	.7107	18.36.9	R	1 12 p. m.
22	28.747	21.05	87.5	11.84	86.7	.0464	.7107	18.37.1	R	2 12 „
23	28.884	20.75	87.3	11·85	87.0	.0415	.7108	18.37.6	R	3 12 „
OCT. 28TH-Noon.	28.131	20·76	86.7	11.82	87.2	.0417	.7105	18.37.5	R	4 12 „
1	27.720	20.60	86.1	11.76	87.0	.0390	.7098	18.37.6	H	5 12 „
2	27.994	20.44	85.5	11.80	86.7	.0365	.7103	18.38.1	H	6 12 „
3	27.994	20.30	85.0	11.79	86.2	.0341	.7101	18.38.4	H	7 12 „
4	28.062	20.25	84.7	11.77	85.6	.0333	.7099	18.38.4	H	8 12 „
5	28.679	19.64	84.3	11.70	85.4	.0235	.7092	18.39.3	C	9 12 „
6	29.911	19·88	83·8	11.65	85.0	.0272	.7086	18.38.7	C	10 12 „
7	30.322	19·46	83·3	11.67	84.9	.0204	.7088	18.39.7	C	11 12 „
8	30.048	19.51	83.0	11.64	84.6	.0212	.7085	18.39.5	C	Midnight.
9	30.322	19.74	83.3	11.62	84.1	.0250	.7083	18.38.8	R	1 12 a. m.
10	30.989	19.84	83.3	11.62	84.0	.0266	.7083	18.38.6	R	2 12 „
11	31.089	19.78	83.2	11.67	84.0	.0256	.7088	18.38.9	R	3 12 „

On the 25th, at about 19h. 40m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 28TH TO 30TH OCTOBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Oct. 28th—12	30·989	19.94	82·7	11.71	83·6	8.0282	2.7093	18°38·9	R	4 12 a.m.
13	30.829	19.83	82·2	11.66	83.5	.0264	.7087	18.38.9	H	5 12 „
14	30.779	20.00	81.9	11.67	83.1	.0292	.7088	18.38.5	H	6 12 „
15	29.939	19.97	81.8	11.69	82.9	.0287	.7090	18.38.6	H	7 12 „
16	30.199	20.37	82.2	11.69	83.1	·0353	.7090	18.37.8	H	8 12 „
17	29.729	·20 69	83.4	11.72	83.2	.0405	.7094	18.37.2	C	9 12 „
18	28.999	20.99	84.6	11.69	83.9	.0454	.7090	18.36.5	C	10 12 „
19	28·739	21.07	85.4	11.68	84·8	.0468	.7089	18.36.2	C	11 12 „
20	28.899	20.91	86·1	11.72	85.5	.0441	.7094	18.36.8	C	Noon.
21	29.679	20.81	86.6	11.72	85.9	.0425	.7094	18.36.9	R	1 12 p.m.
22	29.419	20.76	87·0	11.72	86.5	.0417	.7094	18·37.0	R	2 12 „
23	29.569	20.66	87·0	11.71	87.0	.0400	.7093	18.37.3	R	3 12 „
Oct. 29th—Noon.	28.949	20.66	86.6	11·71	87.0	.0400	.7093	18.37·3	R	4 12 „
1	28.739	20.58	86.2	11.72	86.7	.0387	.7094	18.37.4	H	5 12 „
2	28.999	20.45	85.6	11.67	86.4	.0366	·7088	18·37.5	H	6 12 „
3	29.159	20.30	85.0	11.63	85.9	.0341	.7084	18.37.7	H	7 12 „
4	29.159	20.17	84.4	11.64	85.4	.0320	.7085	18·38.0	H	8 12 „
5	28.789	20.17	84.0	11.68	85·2	.0320	.7089	18.38·1	C	9 12 „
6	28.739	20.17	83.7	11.65	84.9	.0320	·7086	18.38.0	C	10 12 „
7	28.999	20.26	83.3	11.64	84.7	.0335	.7085	18.37.8	C	11 12 „
8	29.099	20.33	83.2	11·64	84.5	.0346	.7085	18·37·6	C	Midnight.
9	29.099	20.36	83.3	11.62	84.1	·0351	·7083	18.37.5	R	1 12 a.m.
10	28.899	20.38	83.2	11.62	84.0	·0354	.7083	18·37.5	R	2 12 „
11	28.899	20.39	83.0	11.61	83.7	.0356	.7082	18.37·3	R	3 12 „
12	28.899	20.36	82.8	11.61	83.5	.0351	.7082	18.37·4	R	4 12 „
13	28.689	20.40	82.2	11.60	83.3	.0358	.7081	18.37·3	H	5 12 „
14	28.689	20.52	81.8	11.59	83.0	.0377	.7079	18.37·0	H	6 12 „
15	29.679	20·59	82.2	11.59	83.1	.0389	.7079	18.36.8	H	7 12 „
16	29.939	20.98	82.9	11.62	83.3	.0452	.7083	18.36·2	H	8 12 „
17	28.899	21.47	83.0	11.61	83.5	·0534	.7082	18.35.1	C	9 12 „
18	27.849	21.76	84.9	11.60	84.0	·0581	.7081	18.34.5	C	10 12 „
19	26.119	21.94	85.8	11.64	85.0	.0610	.7085	18.34.3	C	11 12 „
20	26.809	21.77	86.9	11.68	86.0	.0583	.7089	18.34·8	C	Noon.
21	28.209	21.54	86.9	11.70	86.5	.0545	.7092	18·35.2	R	1 12 p.m.
22	28.999	21.27	87.1	11.71	87.0	.0501	.7093	18.36.0	R	2 12 „
23	29.159	21.05	87·2	11.72	87.3	.0464	·7094	18.36·5	R	3 12 „
Oct. 30th—Noon.	29.419	20·71	87.0	11.68	87.5	.0409	.7089	18.37.0	R	4 12 „
1	29.209	20.45	86.4	11·66	87.0	.0366	.7087	18.37.5	H	5 12 „
2	28.839	20.26	85·4	11.65	86.6	.0335	·7086	18.37.8	H	6 12 „
3	29.159	20.25	85.3	11.64	86·3	.0333	.7085	18.37.9	H	7 12 „
4	29.159	20.36	85·1	11.63	86.0	·0351	.7084	18.37.5	H	8 12 „
5	28.839	20·20	84.7	11.65	85.8	.0325	.7086	18.37.9	C	9 12 „
6	28.899	20.11	84·3	11.62	85·4	.0310	.7083	18.38·1	C	10 12 „
7	29.049	20.33	83.9	11.62	85·0	.0346	.7088	18.37·3	C	11 12 „
8	29.309	20·25	83.2	11.60	84.7	.0333	.7081	18.37.7	C	Midnight.
9	29·419	20.29	83.0	11.59	84.2	.0340	.7079	18.37.5	R	1 12 a.m.
10	29·569	20.26	82.9	11.62	84.0	.0335	.7083	18.37.7	R	2 12 „
11	29.419	20.28	82·4	11.56	83.5	.0338	.7076	18.37.4	R	3 12 „
12	29.419	20.11	82.0	11.55	83.3	.0310	.7075	18.37.8	R	4 12 „
13	29·679	20·47	81.8	11.54	83.2	.0370	.7074	18.36.9	H	5 12 „
14	29.729	20.38	81.6	11.51	82.9	.0354	.7071	18.37.0	H	6 12 „
15	29.679	20.29	81.6	11.50	82.7	.0340	.7070	18.37.2	H	7 12 „
16	29·939	20.36	81.7	11.50	82.8	.0351	.7070	18.37.0	H	8 12 „
17	29.159	20.66	82.8	11.51	83.0	.0400	.7071	18.36.4	C	9 12 „
18	28·159	21.04	83.8	11.51	83.6	.0463	·7071	18.35.6	C	10 12 „
19	27.639	21·22	85.3	11.53	84.3	.0492	.7073	18.35.3	C	11 12 „
20	28.209	21.23	86.1	11.60	85.4	.0494	.7085	18·35.8	C	Noon.
21	28.999	21.13	87·4	11.59	86.3	·0476	.7079	18.35·7	R	1 12 p.m.
22	29·419	21.05	87.8	11.61	87.0	.0464	.7082	18.36.0	R	2 12 „
23	29.209	20.91	87.6	11.62	87.2	.0442	.7083	18·36.4	R	3 12 „

On the 28th, at about 19h. 55m., Dip as obtained by Observation was 18°57·8.

DAILY OBSERVATIONS, FROM 31ST OCTOBER TO 4TH NOVEMBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Oct. 31st-Noon.	28·899	20.84	87·0	11.57	87·4	8.0430	2.7077	18°36′3	R	4 12 p. m.
1	28.639	20.73	85.8	11.55	86.7	.0412	.7075	18.36.5	H	5 12 „
2	28.579	20.57	84.9	11.54	85.9	.0386	.7074	18.36.6	H	6 12 „
3	28.379	20.58	84.5	11.53	85.5	.0387	.7073	18.36.6	H	7 12 „
4	28.379	20.54	84.0	11.50	85.0	.0381	.7070	18.36.7	H	8 12 „
5	28.639	20.47	83.0	11.44	84.5	.0370	.7063	18.36.5	C	9 12 „
6	28.639	20.57	82.8	11.42	84 0	.0386	.7061	18.36.1	C	10 12 „
7	28.479	20.62	82.8	11.43	83.8	.0393	.7062	18.36.1	C	11 12 „
8	28.789	20.65	82.3	11.45	83.3	.0398	.7064	18.36.1	C	Midnight.
9	29.209	20.56	82.0	11.39	83.0	.0384	.7057	18.36.3	R	1 12 a. m.
10	29.159	20.74	81.9	11.39	83.0	.0414	.7057	18.36.9	R	2 12 „
11	29.159	20.57	81.2	11.38	82.6	.0386	.7056	18.36·0	R	3 12 „
12	29.159	20.62	81.2	11.37	82.4	.0393	.7055	18.36.0	R	4 12 „
13	28.639	20.50	81.0	11.36	82.0	.0374	.7054	18.36.2	H	5 12 „
14	28.639	20.62	80.9	11.36	81·9	.0393	.7054	18.35.9	H	6 12 „
15	29.209	20.63	80.9	11.36	81.9	.0395	.7054	18.35.8	H	7 12 „
16	29.259	21.00	81.6	11.36	82.0	.0456	.7054	18.35.0	H	8 12 „
17	28.689	21.26	82.4	11.33	82.3	.0499	.7051	18.35.4	C	9 12 „
18	27.329	21.63	83.4	11.37	83.0	.0559	.7055	18.33.8	C	10 12 „
19	26.069	21.89	85.0	11.38	83.6	.0602	.7056	18.33.3	C	11 12 „
20	26.689	21.80	85.9	11.41	84.8	.0587	.7060	18.33.5	C	Noon.
21	27.639	21.56	86.8	11.41	85.7	.0548	.7060	18.34.2	R	1 12 p. m.
22	28.109	21.26	87.3	11.44	87.0	.0499	.7063	18.34.8	R	2 12 „
23	28.209	21.07	87.6	11.43	87.5	.0468	.7062	18.35.1	R	3 12 „
Nov. 3rd-Noon.	29.717	21.17	85.9	11.38	86.0	.0484	.7056	18.34.9	R	4 12 „
1	28.962	20.95	84.6	11.28	85.0	.0447	.7042	18.34.6	R	5 12 „
2	28.756	20 82	83.6	11.22	84.0	.0426	.7039	18.34.8	R	6 12 „
3	28.825	20.71	83.0	11.21	83.6	.0409	.7038	18.35.1	R.	7 12 „
4	28.962	20.64	82.7	11.19	83.1	.0397	.7035	18.35.1	R	8 12 „
5	29.099	20.62	82.4	11.24	83.0	.0393	.7041	18.35.4	H	9 12 „
6	29.236	20.55	81.6	11.23	82.6	.0382	.7040	18.35.6	H	10 12 „
7	29.511	20.63	81.3	11.22	82.4	.0395	.7039	18.35·2	H	11 12 „
8	29.374	20.70	81.5	11.22	82.4	.0407	.7039	18.35.1	H	Midnight.
9	29.305	20 66	81.1	11·23	82.3	.0400	.7040	18.35.3	C	1 12 a. m.
10	29.236	20.64	80.8	11.24	81.9	.0397	.7041	18.35.3	C	2 12 „
11	29.099	20.40	80.4	11.25	81.5	.0358	.7042	18.35.8	C	3 12 „
12	29.168	20.61	79.3	11.13	80.9	.0376	.7029	18.35.1	C	4 12 „
13	29.031	20 68	79.7	11.12	80.7	.0387	.7028	18.34.9	R	5 12 „
14	29.236	20.67	79.3	11.13	80.3	.0386	.7029	18.34.9	R	6 12 „
15	29.854	20.67	79.2	11.11	80.0	.0386	.7027	18.34.9	R	7 12 „
16	30.128	20.87	79.3	11.11	80.0	.0435	.7027	18.34.2	R	8 12 „
17	29.579	21.34	80.5	11.11	80.4	.0512	.7027	18.33.4	H	9 12 „
18	29.099	21.66	81.6	11.11	81.0	.0564	.7027	18.32.7	H	10 12 „
19	27.316	21.95	82.8	11.05	81.8	.0611	.7020	18.31.8	H	11 12 „
20	27.727	21.95	84.0	11.09	83.0	.0611	.7024	18.31.9	H	Noon.
21	28.756	21.77	85.4	11.22	84.0	.0583	.7039	18.32.9	C	1 12 p. m.
22	29.099	21.42	86.0	11.25	84.4	.0525	.7042	18.33.6	C	2 12 „
23	29.511	21.18	85.5	11.32	84.1	.0485	.7039	18.34.0	C	3 12 „
Nov. 4th-Noon.	29.785	20.88	84.4	11.16	84.0	.0436	.7032	18.34.4	C	4 12 „
1	29.305	20.85	83.7	11.16	84.0	.0431	.7032	18.34.5	R	5 12 „
2	28.893	20.74	82.9	11.19	83.2	.0414	.7035	18.35.0	R	6 12 „
3	29.374	20.58	82.1	11.17	82.6	.0387	.7033	18.35.1	R	7 12 „
4	29.579	20.57	81.8	11.16	82.2	.0386	.7032	18.35.0	R	8 12 „
5	29.717	20.52	81.2	11.15	82.0	.0377	.7031	18.35.2	H	9 12 „
6	28.962	20.49	80.9	11.14	81.7	.0373	.7030	18.35.3	H	10 12 „
7	30.060	20.45	80.0	11.13	81.1	.0366	.7029	18.35.2	H	11 12 „
8	29.717	20.50	80.0	11.12	80 8	.0374	.7028	18.35.2	H	Midnight.
9	29.785	20.60	80 0	11.12	80.7	.0390	.7028	18.34.9	C	1 12 a. m.
10	29.717	20.54	79.8	11.12	80 5	.0381	.7028	18 35.1	C	2 12 „
11	29.785	20.55	79.2	11.10	80.1	.0382	.7026	18.35.0	C	3 12 „

On the 31st, at about 18h. 50m., Dip as obtained by Observation was 19°05′3.

DAILY OBSERVATIONS, FROM 4TH TO 6TH NOVEMBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Nov. 4TH—12	29·374	20.55	78·9	11.11	79·8	8.0382	2.7027	18°35′1	C	4 12 a. m.
13	29.031	20.67	78.7	11.13	79·5	.0402	.7029	18.34.8	R	5 12 „
14	29.717	20.75	78·5	11.07	79.0	.0415	.7022	18.34·2	R	6 12 „
15	29.717	20.90	78.0	11.07	79.0	.0439	.7022	18.34·0	R	7 12 „
16	29.511	21.32	79.0	11.07	79·0	·0507	.7022	18·33.1	R	8 12 „
17	30.403	21.77	80.2	11·07	79.8	.0583	.7022	18.32.2	H	9 12 „
18	29.917	22.05	81.4	11.06	80.4	.0628	.7021	18·31.5	H	10 12 „
19	28.002	22·36	82.3	11.03	81.0	.0679	.7018	18.30.8	H	11 12 „
20	29.374	22·13	83.4	11.07	82.2	.0641	.7022	18.31.4	H	Noon.
21	29.442	22.05	85·0	11.12	83.2	.0628	.7028	18.31.8	C	1 12 p. m.
22	29.648	21.76	85.2	11.15	83.9	.0581	.7031	18.32.6	C	2 12 „
23	29·579	21.61	85.4	11.16	84.0	.0556	.7032	18.32.8	C	3 12 „
Nov. 5TH-Noon.	29.579	21.42	84.7	11.15	84.4	.0505	.7031	18.33.5	C	4 12 „
1	29.031	21.24	83.7	11.12	84.0	.0496	.7028	18.33.5	R	5 12 „
2	28.825	21.01	83.0	11·09	83.0	·0458	.7024	18.33.8	R	6 12 „
3	29.305	20·80	82.3	11.06	82.6	.0423	.7021	18.34.2	R	7 12 „
4	28.688	20.64	81·8	11.06	82·1	.0397	.7021	18.34.5	R	8 12 „
5	28.756	20.63	81.3	11.02	81.8	.0395	.7017	18.34.4	H	9 12 „
6	29.031	20.52	81.0	11.03	81.6	.0377	.7018	18.34.7	H	10 12 „
7	29.168	20.37	80.1	11·08	81.0	.0353	.7023	18.35·2	H	11 12 „
8	29.648	20.42	80.0	11.07	80.8	.0363	.7022	18·35.0	H	Midnight.
9	29.168	20·57	79.9	11.06	80.4	.0386	.7022	18.34.6	C	1 12 a. m.
10	29.511	20·52	79.3	11.11	80.2	·0377	.7027	18.35.1	C	2 12 „
11	29.168	20.49	79.0	11·10	80.0	.0373	.7026	18.35.1	C	3 12 „
12	28·825	20.50	78.5	11.09	79.5	.0374	.7024	18.35.0	C	4 12 „
13	28.619	20.56	79.3	11.17	79.1	.0384	.7033	18.35.3	R	5 12 „
14	28.345	20.61	78.0	11.27	79.0	.0392	.7044	18.35.5	R	6 12 „
15	28.070	20.82	77.9	11·26	78.6	.0426	.7043	18.35.0	R	7 12 „
16	28·070	21·22	79.0	11.27	79.0	·0492	.7044	18·34·2	R	8 12 „
17	28.139	21.51	79.8	11.29	79.5	.0540	.7046	18.33.7	H	9 12 „
18	26.835	21.76	81.0	11.35	80·0	.0581	.7053	18.33.5	H	10 12 „
19	26 561	22.07	82.4	11.37	81·1	.0632	·7055	18.32·9	H	11 12 „
20	27.316	22.11	83.7	11.38	82·0	.0638	.7056	18.32.8	H	Noon.
21	28.688	21.92	84.8	11.43	83.0	.0606	.7062	18.33.3	C	1 12 p. m.
22	29.031	21.75	85.1	11.45	83.8	.0579	.7064	18.33.8	C	2 12 „
23	28.893	21.58	84.9	11·44	84.0	.0551	.7063	18.34.1	C	3 12 „
Nov. 6TH-Noon.	29.031	21.34	84.5	11.44	83.9	·0512	.7063	18.34.7	C	4 12 „
1	28.688	21.08	83.6	11.41	83.5	.0469	.7060	18·35.1	R	5 12 „
2	28.688	20.73	82.5	11·38	82.7	.0412	.7056	18.35·8	R	6 12 „
3	28.825	20.81	82.0	11.47	82.4	.0425	.7066	18.35.8	R	7 12 „
4	28.550	20.64	81.6	11.48	82.0	.0397	.7067	18.36.3	R	8 12 „
5	28.413	20.47	81·2	11.50	81.6	·0370	.7070	18.36.8	H	9 12 „
6	29.031	20.39	80.4	11.49	81.2	.0356	.7068	18.36.8	H	10 12 „
7	29·374	20.53	80.0	11.50	81.0	.0379	.7070	18.36.7	H	11 12 „
8	29.305	20.54	80.0	11.51	81.0	.0381	.7071	18.36.7	H	Midnight.
9	29.374	20.52	79.7	11.52	80.6	.0377	.7072	18.36.7	C	1 12 a. m.
10	29.099	20.75	79.5	11·49	80.3	.0415	.7068	18.36.0	C	2 12 „
11	29.099	20.65	78.9	11.50	80.0	.0398	·7070	18.36.4	C	3 12 „
12	29.031	20.68	78.4	11·49	79.6	.0403	.7068	18.36.3	C	4 12 „
13	28.688	20.68	78.1	11.47	79.0	.0403	.7066	18.36.2	R	5 12 „
14	28.345	20.92	77.9	11.46	78.8	.0442	.7065	18.35.7	R	6 12 „
15	28.070	21.08	78.0	11.46	78.6	.0469	.7065	18.35·3	R	7 12 „
16	28.345	21.40	78.6	11.47	78.9	.0522	.7066	18.34.6	R	8 12 „
17	28.619	21.93	79.6	11.49	79.5	.0608	.7068	18.33.6	H	9 12 „
18	28.276	22.23	80.7	11·46	80.0	.0658	.7065	18.32·8	H	10 12 „
19	27·453	22.46	81.9	11.44	80.7	.0696	.7063	18.32.2	H	11 12 „
20	28.482	22.47	83.0	11.45	81.8	.0698	.7064	18.32.2	H	Noon.
21	29.236	22.25	84.3	11·49	82.4	.0661	.7068	18.32.9	C	1 12 p. m.
22	29.648	21·93	84.5	11.51	83.0	.0608	.7071	18.33.7	C	2 12 „
23	29.305	21·51	84.6	11.55	83.3	.0540	.7075	18.34.8	C	3 12 „

On the 5th, at about 20h. 20m., Dip as obtained by Observation was 18°53′1.

DAILY OBSERVATIONS, FROM 7TH TO 10TH NOVEMBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer, — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Nov. 7TH-Noon.	29·511	20.78	83°8	11.60	83°2	8.0420	2.7081	18°36′5	C	4 12 p. m.
1	30.197	20.11	82.7	11.48	82.8	.0310	.7067	18.37.5	R	5 12 „
2	29.168	19·74	81.9	11.46	82.0	.0250	.7065	18.38.1	R	6 12 „
3	29·031	19.94	81.6	11.45	81.6	.0282	·7064	18.37.7	R	7 12 „
4	29·031	19.63	81.2	11.44	81.3	.0233	.7063	18.38.3	R	8 12 „
5	29.785	19.46	80.6	11.44	80.6	.0204	.7063	18.38.7	H	9 12 „
6	31.432	19.59	78.0	11.40	79.9	.0061	.7059	18.40.4	H	10 12 „
7	31.775	19.49	77.8	11.38	79.3	.0209	.7056	18.38.4	H	11 12 „
8	31.775	19.02	77.6	11.37	79.0	.0131	.7055	18.39.4	H	Midnight.
9	30.951	18.91	77.1	11.36	78.5	.0113	.7054	18·39·6	C	1 12 a. m.
10	30.197	19.03	76.9	11.34	78.0	.0133	.7052	18.39.2	C	2 12 „
11	29.717	19.07	76.8	11.38	77·7	.0140	.7056	18.39.3	C	3 12 „
12	28.962	19.15	76.3	11.32	77.3	.0152	.7050	18.38·9	C	4 12 „
13	28.825	19·32	76.5	11.31	77.0	·0180	.7049	18.38.5	R	5 12 „
14	28.756	19.48	76.3	11.31	77.0	.0207	.7049	18.38.1	R	6 12 „
15	28·276	19.60	76.1	11.30	76.6	.0228	.7048	18.37.8	R	7 12 „
16	29·168	19.96	76·7	11.31	77.0	.0285	.7049	18.37.0	R	8 12 „
17	29.168	20.64	78.0	11.33	77·8	.0397	.7051	18.35.7	H	9 12 „
18	29.031	20.70	79.7	11.31	78.5	.0407	·7049	18·35.5	H	10 12 „
19	28.962	20·59	81.6	11.34	79.6	.0389	.7052	18.35.8	H	11 12 „
20	29.717	20.12	82.6	11.37	80.6	.0311	.7055	18.37.1	H	Noon.
21	30.677	19.94	83.9	11·40	81.5	.0282	.7059	18.37.6	C	1 12 p. m.
22	30.608	19·82	84.1	11.41	82.1	.0262	.7060	18.37.8	C	2 12 „
23	29.717	19.88	84.0	11.42	82.5	.0272	.7061	18.37.7	C	3 12 „
Nov. 8TH-Noon.	29.031	19.84	83.0	11.39	82.3	.0266	.7057	18.37.7	C	4 12 „
1	29.785	19.65	82.5	11·41	82·0	·0236	.7060	18 38.1	R	5 12 „
2	30.471	19.51	81.6	11.35	81.5	.0212	.7053	18.38.3	R	6 12 „
3	30.060	19.38	81.3	11.33	81·1	.0190	.7051	18.38.4	R	7 12 „
4	30.814	19.14	80.5	11.42	80.7	.0151	.7061	18.39.2	R	8 12 „
5	29.374	19.61	79.5	11.36	80.2	.0230	.7054	18.38.0	H	9 12 „
6	30.060	19 51	79.2	11.35	80.0	.0212	.7053	18.38.3	H	10 12 „
7	30·060	19.58	78.8	11·34	79.8	.0223	.7052	18.38.0	H	11 12 „
8	29.717	19·95	78.4	11·34	79.5	.0283	.7052	18·37.3	H	Midnight.
9	29.991	19.98	78.0	11.32	79·0	.0288	.7050	18.37.1	C	1 12 a. m.
10	30·128	19·77	77.6	11.33	78.6	.0255	.7051	18.37.5	C	2 12 „
11	29.854	19.70	77.7	11.35	78.4	.0243	·7053	18.37.9	C	3 12 „
12	29.854	19.78	77.4	11.32	77.9	.0256	.7050	18.37.5	C	4 12 „
13	29.374	19·61	77.0	11.33	77.5	.0230	.7051	18.37.9	R	5 12 „
14	29.305	19.76	76.9	11.32	77.2	.0253	.7050	18.37.6	R	6 12 „
15	29.031	19.92	76.8	11.31	77.0	.0278	.7049	18·37.2	R	7 12 „
16	29·168	20.24	77.7	11.33	77.5	.0332	.7051	18.36.6	R	8 12 „
17	28.002	20.54	78.8	11.32	78.0	.0381	·7050	18.36.0	H	9 12 „
18	27.316	21·05	80.0	11·31	78.8	.0464	.7049	18.34.8	H	10 12 „
19	26.630	21.39	81.3	11.34	79·7	.0520	.7052	18.34.1	H	11 12 „
20	27.453	21.45	82.2	11.36	80.4	.0530	.7056	18.34.2	H	Noon.
21	28.482	21.30	83.3	11.40	81.6	.0505	.7059	18.34.6	C	1 12 p. m.
22	29.037	20.95	83.0	11.43	81.6	.0447	.7062	18.35.3	C	2 12 „
23	29.095	20.54	82·0	11.42	81.4	.0381	.7061	18.36.3	C	3 12 „
Nov. 10TH-Noon.	29.116	20.65	83.7	11.61	83.5	.0398	.7082	18.36.8	R	4 12 „
1	29.064	20.39	82.7	11.39	83.0	.0356	.7057	18.36.5	R	5 12 „
2	29.042	20.31	82.0	11.26	82.0	.0343	.7043	18.36.2	R	6 12 „
3	29.037	20·48	81·7	11.46	82.0	·0371	.7065	18.36.6	R	7 12 „
4	28.126	20.44	81.3	11.45	81.6	.0365	.7064	18.36.5	R	8 12 „
5	28.111	20.29	80.8	11.41	81.4	.0340	.7060	18.36.8	H	9 12 „
6	28.126	20·24	80.2	11.38	81.0	.0332	.7056	18.36.8	H	10 12 „
7	29.064	20.19	79.8	11.40	80.6	.0323	.7059	18.37.0	H	11 12 „
8	29.064	20.36	79.8	11.41	80.4	.0351	.7060	18.36.6	H	Midnight.
9	29.069	20·33	79.9	11.66	80.4	·0346	.7065	18.36.8	C	1 12 a. m.
10	29·042	20.31	79.5	11.50	80.0	.0343	.7070	18.37.2	C	2 12 „
11	29.052	20.27	79.0	11.47	79.8	.0337	.7066	18.37.0	C	3 12 „

On the 7th, at about 19h. 30m., Dip as obtained by Observation was 19°03′8.
On the 8th, at about 19h. 45m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 10TH TO 12TH NOVEMBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Nov. 10TH—12	28·121	20.26	78°8	11.47	79°5	8.0335	2.7066	18°37·0	C	4 12 a. m.
13	28.121	20.40	78.5	11.46	79.3	.0358	.7065	18.36.7	R	5 12 „
14	29.037	20.44	77.7	11.46	78.6	·0365	.7065	18.36.6	R	6 12 „
15	29.064	20·44	77.7	11.49	78.5	.0365	.7068	18.36.7	R	7 12 „
16	30·036	20.67	78.7	11.47	79.0	.0402	.7066	18·36.2	R	8 12 „
17	29·116	20.90	79.9	11.46	79.4	.0439	.7065	18.35.7	H	9 12 „
18	29.064	21.20	81.0	11.50	80.0	.0489	.7070	18.35.2	H	10 12 „
19	28.111	21.43	82·4	11.52	80.8	.0527	.7072	18.34.7	H	11 12 „
20	28.111	21.31	83.5	11.60	81.8	.0507	.7081	18.35.4	H	Noon.
21	29.042	20.95	84.1	11·55	82.3	.0447	·7075	18·35.9	C	1 12 p. m.
22	29.079	20.74	84.2	11.56	82.8	.0411	.7076	18.36·5	C	2 12 „
23	29.069	20.67	84.7	11.64	83.2	.0402	.7081	18.36.8	C	3 12 „
Nov. 11TH-Noon.	29.069	20.45	84.0	11.60	83.4	.0366	.7081	18.37.2	C	4 12 „
1	29.090	20.41	83.4	11.60	83.2	.0360	.7081	18.37.3	R	5 12 „
2	29.064	20.31	82.7	11.56	82.6	.0343	.7078	18.37.5	R	6 12 „
3	29.064	20.06	82.0	11.56	82.0	.0302	.7076	18.38.0	R	7 12 „
4	29.090	20.12	81.7	11.56	82.0	.0310	.7076	18.37.8	R	8 12 „
5	29.037	20.00	81.0	11.55	81.6	.0292	.7075	18.38.0	H	9 12 „
6	29.064	20.08	80.7	11.59	81.2	.0305	.7079	18.37.9	H	10 12 „
7	29.037	20.22	80.4	11.58	81.0	.0328	.7078	18.37.6	H	11 12 „
8	28.111	20.26	80.0	11.52	80.7	.0335	.7072	18.37.2	H	Midnight.
9	29.031	20.22	79.4	11.53	80.2	.0323	.7073	18.37.4	C	1 12 a.m.
10	29.069	20.27	79.0	11.49	79.5	.0337	.7068	18.37.1	C	2 12 „
11	28.116	20.30	78.5	11.50	79.3	.0341	.7070	18.37.2	C	3 12 „
12	28.111	20.24	78.0	11.47	79.0	.0332	.7066	18.37.1	C	4 12 „
13	28.033	20.38	78.0	11.46	78.7	.0354	.7064	18.36.8	R	5 12 „
14	28.111	20.41	77.9	11.46	78.6	.0360	.7065	18.36.7	R	6 12 „
15	29.064	20.49	78.0	11.46	78.5	.0373	.7065	18.36.6	R	7 12 „
16	30.036	20.75	78.8	11.46	78.8	.0415	.7065	18.35.9	R	8 12 „
17	30.094	21.05	80.0	11.48	79.4	.0464	.7067	18.35.5	H	9 12 „
18	30.042	21.45	81.1	11.49	79.8	.0530	.7068	18.34.6	H	10 12 „
19	29.037	21.51	82·0	11.52	80.6	.0540	.7072	18.34.6	H	11 12 „
20	29.044	21.57	82.6	11.51	81.2	.0550	.7071	18.34.4	H	Noon.
21	29.116	21.12	83.3	11.51	81.7	.0475	.7071	18.35.4	C	1 12 p. m.
22	28.090	21.08	83.5	11·55	82.4	.0469	.7075	18.35.7	C	2 12 „
23	28.105	20.88	83.8	11.55	82.9	.0436	.7075	18.36.1	C	3 12 „
Nov. 12TH-Noon.	28.997	20.58	83.2	11.57	83.0	.0387	.7077	18.36.8	C	4 12 „
1	29.408	20.37	82.5	11.49	83.0	.0363	.7068	18.36.9	R	5 12 „
2	30.026	20.14	81.6	11.47	82.3	.0315	.7066	18.37.2	R	6 12 „
3	29.751	20.02	81.0	11.45	81.5	.0292	.7064	18.37.4	R	7 12 „
4	29.614	20.01	80.9	11.43	81.0	.0294	.7062	18.37.4	R	8 12 „
5	29.545	20.01	80.6	11.43	81.0	.0310	.7062	18.37.2	H	9 12 „
6	29.340	20.10	80.0	11.42	80.6	·0308	.7061	18.37.2	H	10 12 „
7	29.340	20.15	79.7	11.40	80.1	.0316	.7059	18.37.0	H	11 12 „
8	29.820	20.16	79.2	11.40	80.0	.0318	.7059	18.37.0	H	Midnight.
9	29.683	20.41	78.8	11.43	79.7	.0366	.7062	18.36.4	C	1 12 a. m.
10	29.202	20.22	78.0	11.43	79.0	.0328	.7062	18.36.9	C	2 12 „
11	29.271	20.30	77.9	11.41	78.7	.0341	.7060	18.36.8	C	3 12 „
12	29.585	20.37	77.7	11.41	78.5	.0353	.7060	18.36 6	C	4 12 „
13	29.585	20.47	77.5	11.45	78.2	.0370	.7064	18.36.5	R	5 12 „
14	28.105	20.55	77.2	11.44	78.0	.0382	.7063	18·36.4	R	6 12 „
15	29.516	20.84	77.7	11.44	78.0	.0430	.7063	18.35.7	R	7 12 „
16	29.613	21.22	78.9	11.45	78.4	.0492	.7064	18·34·9	R	8 12 „
17	29.682	21.45	80.0	11.46	78.8	.0530	.7065	18 34.5	H	9 12 „
18	29.682	21.73	81.4	11.49	79.8	.0576	.7068	18.34.0	H	10 12 „
19	28.564	21.87	82.5	11.52	80.5	.0599	·7072	18.33.8	H	11 12 „
20	28.653	21.65	83.6	11.54	81.2	.0564	·7074	18.34.4	H	Noon.
21	29.613	21.35	83.9	11.60	82.0	.0513	.7081	18.35.4	C	1 12 p. m.
22	29.407	20.97	84.0	11.63	82.5	.0451	.7084	18.36.2	C	2 12 „
23	29.613	20.65	84.0	11.64	83.0	.0398	.7085	18.37.0	C	3 12 „

On the 11th, at about 20h. 30m., Dip as obtained by Observation was 18°53'8.

DAILY OBSERVATIONS, FROM 13TH TO 15TH NOVEMBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.	° ′							° ′		h. m.
Nov. 13th-Noon.	29·133	20.35	83·9	11.60	83·4	8.0349	2.7085	18°37′6	C	4 12 p.m.
1	28.996	20.26	82.9	11.59	83.0	·0335	.7079	18.37.5	R	5 12 „
2	29.339	20.31	82.0	11.56	82.1	.0343	.7076	18.37.4	R	6 12 „
3	29.407	20.17	81.5	11.56	82·0	.0320	.7076	18.37.6	R	7 12 „
4	29·544	20.12	81.0	11.55	81·5	.0311	.7075	18.37.8	R	8 12 „
5	29.682	20.18	81.0	11.54	81.2	.0321	.7074	18.37.5	H	9 12 „
6	29.064	20.37	80.8	11.54	81.2	.0353	.7074	18.37.1	H	10 12 „
7	29.339	20.32	80.4	11.55	81.0	.0344	·7075	18.37.4	H	11 12 „
8	29.339	20.43	80.1	11.55	80.9	.0363	.7075	18.37.1	H	Midnight.
9	29.133	20.32	79.9	11.62	80.5	.0344	.7083	18.37.7	C	1 12 a. m.
10	28·927	20.33	79.6	11.63	80.2	.0346	.7084	18.37.5	C	2 12 „
11	28.584	20.43	79.3	11.60	79.9	.0363	.7081	18.37.3	C	3 12 „
12	28.584	20.48	78.8	11.63	79.7	.0371	·7084	18.37.3	C	4 12 „
13	28.653	20·55	78.6	11.58	79.4	.0398	.7078	18.36.7	R	5 12 „
14	28.515	20.44	77.7	11.57	79.1	.0365	.7077	18.37.1	R	6 12 „
15	28.310	20.68	78.8	11.59	79.0	.0403	.7079	18.36.7	R	7 12 „
16	28.790	20.96	79.1	11.62	79.0	.0449	.7083	18.36.2	R	8 12 „
17	29.339	21.42	80.2	11.64	79.7	.0525	.7085	18.35.3	H	9 12 „
18	29.133	21.53	81.3	11.67	80.3	.0543	.7088	18 35.3	H	10 12 „
19	28.927	21.50	82.5	11.70	81.2	.0538	.7092	18.35.4	H	11 12 „
20	28.996	21.43	83.2	11.70	81.8	.0527	.7092	18.35.5	H	Noon.
21	29.270	21.12	83.6	11.72	82.3	.0475	.7094	18.36.3	C	1 12 p. m.
22	29.887	20.86	83.9	11.73	82.8	.0433	.7095	18.37.0	C	2 12 „
23	30.368	20·49	84.0	11.75	83·0	.0373	.7097	18.37.9	C	3 12 „
Nov. 14th-Noon.	29.407	20.41	83.4	11.03	83.0	.0360	.7018	18.34.9	C	4 12 „
1	28.996	20.17	82.9	11.03	83.0	.0320	.7018	18·35.4	R	5 12 „
2	29.613	20 01	82.0	11.07	82·3	.0294	.7022	18.35.9	R	6 12 „
3	29.544	19.86	81.6	11.16	82.0	.0269	.7032	18·36.6	R	7 12 „
4	29.682	19.88	81.0	11.46	81.9	.0272	.7065	18.37·9	R	8 12 „
5	29.476	19.84	80.8	11·55	81.6	.0266	.7075	18.38.3	H	9 12 „
6	29.750	20.06	80.6	11.65	81.3	.0302	.7084	18.38.2	H	10 12 „
7	29.682	20.27	80.4	11.68	81.0	.0337	.7089	18.37.9	H	11 12 „
8	29.682	20.30	80.0	11.72	80.7	.0341	.7094	18.38.1	H	Midnight.
9	29.064	20.24	79.4	11.72	80.5	.0332	.7094	18.38.2	C	1 12 a. m.
10	28.584	20.34	79.3	11.70	80.0	.0348	.7092	18.37.8	C	2 12 „
11	28.584	20.33	79.0	11.76	79.9	.0346	.7098	18.38.1	C	3 12 „
12	27.761	20.42	78.7	11.75	79.5	.0361	.7097	18.38.0	C	4 12 „
13	27.418	20.23	78.0	11.67	79.0	.0330	.7088	18.38.0	R	5 12 „
14	26·938	20·37	77.9	11·67	79.0	.0353	.7088	18.37.7	R	6 12 „
15	26.938	20.58	78.5	11.77	78.9	.0387	.7099	18.37·6	R	7 12 „
16	28.172	20.88	79.6	11.77	79.0	.0436	.7099	18.37.0	R	8 12 „
17	28.996	21.09	80.5	11 79	79.8	.0471	.7101	18.36.7	H	9 12 „
18	29.544	21.61	81.6	11·86	80.4	.0556	.7109	18.35.8	H	10 12 „
19	30.299	21.72	82.6	11.88	81.0	·0574	.7111	18.35.8	H	11 12 „
20	30.711	21.49	83·0	11.90	81.5	·0537	.7114	18.36.3	H	Noon.
21	30.916	21·43	83·5	11.90	82·0	.0477	.7114	18.37.1	C	1 12 p. m.
22	30.162	20.82	83.5	11.89	82.4	.0426	.7112	18 37.6	C	2 12 „
23	29·682	20.36	83.5	11.88	82.8	.0351	.7111	18.38.6	C	3 12 „
Nov. 15th-Noon.	29.201	20.33	83.0	11.89	83.0	.0346	.7112	18.38.6	C	4 12 „
1	28.035	20.16	82.0	11.89	83.0	.0318	.7112	18.39.0	R	5 12 „
2	28.653	20.02	81.5	11.86	82·0	.0295	.7109	18.39.2	R	6 12 „
3	28.790	19.83	81.0	11.85	81.5	.0264	.7108	18.39.7	R	7 12 „
4	29.133	20·28	80.7	11.83	81.1	.0338	.7106	18.38.6	R	8 12 „
5	28.790	20.12	80.5	11.83	81.0	.0311	.7106	18.39.4	H	9 12 „
6	28.996	20.04	80.2	11.83	81.0	.0299	.7106	18.39.1	H	10 12 „
7	28.996	20.31	79.8	11.82	80.6	.0343	.7105	18.38.6	H	11 12 „
8	28.721	20.33	79.5	11.80	80.1	.0346	·7103	18.38.3	H	Midnight.
9	28.447	20.32	79.2	11.80	80.0	.0344	.7103	18.38.5	C	1 12 a. m.
10	28.310	20.35	79.0	11.80	79·9	.0349	.7103	18.38.3	C	2 12 „
11	27.967	20.26	78.9	11.81	79.6	.0335	.7104	18.38 5	C	3 12 „

On the 14th, at about 19h. 30m., Dip as obtained by Observation was 18°18′4.

DAILY OBSERVATIONS, FROM 15TH TO 18TH NOVEMBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.	°							°		h. m.
Nov. 15TH—12	27·624	20.31	78·5	11.78	79·4	8.0343	2.7100	18°38'4	C	4 12 a. m.
13	27.829	20.53	78·5	11.82	79.0	.0379	.7105	18.38.1	R	5 12 „
14	27.692	20.54	78·3	11.82	79·0	.0381	.7105	18.38.1	R	6 12 „
15	27·486	20.64	78.3	11.84	78·8	.0393	.7107	18.38.0	R	7 12 „
16	28.035	20.92	79.3	11.85	79.0	.0442	.7108	18.37.4	R	8 12 „
17	28.721	21.21	80.5	11.84	79.7	.0491	.7107	18.36.7	H	9 12 „
18	28.172	21.49	81.6	11.86	80.4	.0537	.7109	18.36.1	H	10 12 „
19	28·310	21.62	82.6	11.90	81.2	.0557	.7114	18.36.3	H	11 12 „
20	28.721	21.35	83.0	11.91	81·7	.0513	.7115	18.36.8	H	Noon.
21	28.310	21.10	83.4	11.90	82.0	.0472	.7114	18.37.2	C	1 12 p. m.
22	28.653	20.87	84.0	11.93	82.8	.0435	.7117	18.37.8	C	2 12 „
23	28.104	20.48	84.0	11·94	83.0	.0371	.7118	18.38.7	C	3 12 „
Nov. 17TH-Noon.	27.967	20.82	83.3	11.79	83.6	.0426	.7101	18.37.2	R	4 12 „
1	27.829	20.64	82.3	11.77	83.1	.0397	.7099	18.37.5	R	5 12 „
2	28.104	20.48	81.3	11.77	82.2	.0371	.7099	18.38.1	R	6 12 „
3	28.310	20.39	80.8	11.80	81.6	.0356	.7103	18.38.2	R	7 12 „
4	28 310	20.36	80 6	11.78	81.3	.0351	.7100	18.38.2	R	8 12 „
5	28.378	20.34	80.2	11.78	81.0	.0348	.7100	18.38.2	H	9 12 „
6	28.378	20.40	80.0	11.82	80.8	.0358	.7105	18.38.3	H	10 12 „
7	28.653	20 36	79.2	11.81	80 2	.0351	.7104	18.38.3	H	11 12 „
8	28.996	20.40	78.6	11.80	80.0	.0358	.7103	18.38.2	H	Midnight.
9	28.172	20.45	78.8	11 81	79·7	.0366	.7104	18.38.1	C	1 12 a. m.
10	28·515	20.41	78.4	11.79	79.6	.0360	.7101	18.38 1	C	2 12 „
11	28.378	20.47	78.2	11.77	79.1	.0370	.7099	18.37.9	C	3 12 „
12	27.692	20.69	78.0	11.77	78.9	.0405	.7099	18.37.4	C	4 12 „
13	27.075	20.91	77.9	11.76	78.6	.0441	.7098	18.37.4	R	5 12 „
14	27.281	20 96	77.3	11.74	78.0	.0449	.7096	18.36.7	R	6 12 „
15	26.800	20.99	77.5	11.74	78.0	.0454	.7096	18.36 7	R	7 12 „
16	26.800	21.43	78.5	11.74	78.5	.0527	.7096	18.35.7	R	8 12 „
17	27.624	21.81	79.6	11 67	79.0	.0589	.7088	18.34 6	H	9 12 „
18	27.418	22.07	80.1	11.68	79.3	.0632	.7089	18.34.1	H	10 12 „
19	27.006	22.17	81.5	11.70	80 0	.0643	.7092	18.33.9	H	11 12 „
20	27.281	22.17	82.9	11.69	81.2	.0648	.7090	18 34.9	H	Noon.
21	27.967	21.88	83.0	11.75	81.7	.0600	.7097	18 34.9	C	1 12 p. m.
22	28.584	21 55	83.5	11.76	82.1	.0546	.7098	18.35.5	C	2 12 „
23	28.996	21.08	83.5	11.78	82.5	.0459	.7100	18.36.8	C	3 12 „
Nov. 18TH-Noon.	28.447	20 74	82.9	11.73	82.6	.0414	.7095	18.37.3	C	4 12 „
1	27.967	20.71	82 0	11.73	82.5	.0400	.7095	18.37.3	R	5 12 „
2	28.241	20.48	81.0	11 75	81.5	.0374	.7094	18.37.9	R	6 12 „
3	28.310	20.59	80.5	11.73	81.0	.0382	.7095	18.37.5	R	7 12 „
4	28.378	20.40	80.0	11.72	80.5	.0353	.7094	18.37.8	R	8 12 „
5	28.310	20.39	80.0	11.67	80.5	.0356	.7088	18.37.6	H	9 12 „
6	28.241	20 29	78.8	11.65	80 0	.0330	.7086	18.37.9	H	10 12 „
7	28.104	20.45	78.6	11.64	79.7	.0366	.7085	18.37.4	H	11 12 „
8	28 515	20 30	78 6	11.64	79.6	.0341	.7086	18.37.8	H	Midnight.
9	28.515	20.31	78.3	11.63	79·3	.0343	.7084	18.37.7	C	1 12 a. m.
10	28.515	20 61	78.4	11.67	79.0	.0392	.7088	18.37.2	C	2 12 „
11	28.378	20 51	78.0	11.65	78.9	.0376	.7086	18.37.3	C	3 12 „
12	28.241	20.53	77 5	11.64	78.6	.0379	.7085	18.37.3	C	4 12 „
13	27.418	20.58	76 4	11.60	77.6	.0387	.7081	18.36.9	R	5 12 „
14	27.075	20.37	76.5	11.61	77.5	.0353	.7082	18 37.4	R	6 12 „
15	27.281	20.83	77.0	11.61	77.1	.0423	.7082	18.36.4	R	7 12 „
16	27.967	21.00	77.8	11·60	77.7	.0456	.7081	18 36.0	R	8 12 „
17	27.967	21.22	78.8	11.19	78.1	.0492	.7035	18.33.9	B	9 12 „
18	27.761	21.20	80.0	11.25	78.9	.0489	.7042	18.34.1	B	10 12 „
19	27.967	21.08	81.0	11.23	79.6	.0469	.7040	18.34.5	B	11 12 „
20	28.378	20.85	82 4	11 24	80.7	.0431	.7041	18.34.9	B	Noon.
21	29.133	20.34	83.0	11.25	81.0	.0348	.7042	18.35.9	C	1 12 p. m.
22	29.613	19.85	83.0	11.24	81.3	.0267	.7041	18.37.0	C	2 12 „
23	29.476	19.56	83.0	11.28	82,0	.0220	.7045	18.37.8	C	3 12 „

On the 15th, at about 19h. 25m., Deflection Observations were taken.
On the 18th, at about 19h. 25m., Dip as obtained by Observation was 19°00'6.

DAILY OBSERVATIONS, FROM 19TH TO 21ST NOVEMBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Nov. 19TH-Noon.	29·544	19.40	82·8	11.26	82·5	8.0194	2.7043	18°38′1	C	4 12 p. m.
1	28.653	19.41	81.8	11.24	82.0	.0196	.7041	18.37.9	R	5 12 „
2	28.858	19.31	80.6	11.23	81.0	.0179	.7040	18.38.2	R	6 12 „
3	29.613	19.17	80.0	11.52	80.6	.0156	.7072	18.39.5	R	7 12 „
4	29.339	19.08	79.9	11.55	80.2	.0141	.7075	18-40.0	R	8 12 „
5	29.339	19.26	79.7	11.52	80.1	.0171	.7072	18.39.4	B	9 12 „
6	29.339	19.18	79.0	11.57	79.8	.0157	.7077	18.39.8	B	10 12 „
7	29.682	19.46	78.6	11.56	79.4	.0202	.7076	18.39.2	B	11 12 „
8	30.025	19.52	78.0	11.52	78.4	.0213	.7072	18-389	B	Midnight.
9	30.026	19.82	78.2	11.56	78.8	.0262	.7076	18.38.5	C	1 12 a. m.
10	30.025	19.91	78.0	11.56	78.6	.0277	.7076	18.38.3	C	2 12 „
11	29.877	19.83	77.4	11.55	78.3	.0264	.7075	18.38.4	C	3 12 „
12	29.133	20.19	77.1	11.56	78.0	.0323	.7076	18.37.7	C	4 12 „
13	28.721	20.04	76.8	11.53	77.5	.0299	.7073	18.37.8	R	5 12 „
14	28.310	20.34	76.5	11.51	77.0	.0348	.7071	18-37.0	R	6 12 „
15	27.898	20.47	76.5	11.51	77.0	.0370	.7071	18.36.8	R	7 12 „
16	27.624	20.86	77.3	11.52	77.2	.0433	.7072	18.36.0	R	8 12 „
17	27.624	21.26	78.1	11.48	77.5	.0499	.7067	18.35.0	B	9 12 „
18	27.761	21.34	79.5	11.43	78.2	.0512	.7062	18.34.6	B	10 12 „
19	27.898	21.29	80.6	11.49	79.1	.0504	.7068	18.35.0	B	11 12 „
20	28.035	21.24	82.0	11.50	80.1	.0496	.7070	18.35.1	B	Noon.
21	28.447	21.11	82.8	11.52	80·7	.0474	.7072	18.35.5	C	1 12 p. m.
22	28.447	20.94	83·0	11.54	81.3	.0446	.7074	18.35.8	C	2 12 „
23	28.584	20.72	83.0	11.56	82.0	.0410	.7076	18.36.5	C	3 12 „
Nov. 20TH-Noon.	28.447	20.60	82.8	11.57	82.2	.0390	.7077	18.36.8	C	4 12 „
1	27.692	20.60	82.0	11.56	82.0	.0374	.7076	18.37.1	R	5 12 „
2	28.310	20.48	81.0	11.53	81.0	.0371	.7073	18.36.9	R	6 12 „
3	28.447	20.31	80.5	11.52	80.5	.0343	.7072	18.37.2	R	7 12 „
4	28.378	20.24	80.2	11.55	80.0	.0332	.7075	18.37.5	R	8 12 „
5	28.515	20.24	79.4	11.55	79.9	.0332	.7075	18.37.5	R	9 12 „
6	28.447	20.10	78.6	11.53	79.4	.0308	.7073	18.37.7	B	10 12 „
7	28.515	20.16	78.2	11.52	79.0	.0318	.7072	18.37.4	B	11 12 „
8	28.584	20.29	78.0	11.50	78.6	.0340	.7070	18.37.2	B	Midnight.
9	28.447	20.35	77.8	11.49	78·2	.0349	.7068	18.36.9	C	1 12 a. m.
10	28.584	20.31	77.3	11.46	78.0	.0343	.7065	18.37.0	C	2 12 „
11	28.515	20.37	76.9	11.48	77.8	.0353	.7067	18.36.9	C	3 12 „
12	28.378	20.47	76.6	11.50	77.5	.0370	.7070	18.36.8	C	4 12 „
13	28.310	20.45	76.0	11.41	77·0	.0366	.7060	18.36.4	R	5 12 „
14	27.967	20.58	75.9	11 40	76,6	.0387	.7059	18.36.1	R	6 12 „
15	27.967	20.73	76.0	11.47	76.5	.0412	.7066	18.36.1	R	7 12 „
16	28.858	21.01	76.7	11.48	76.6	.0458	.7067	18.35 5	R	8 12 „
17	29.750	21.35	77.5	11.46	77.1	.0513	.7065	18.34.8	B	9 12 „
18	29.682	21.65	78.9	11.45	77.8	.0562	.7064	18.34.0	B	10 12 „
19	28.858	21.87	80.8	11.46	79.3	.0608	.7065	18.33.5	B	11 12 „
20	28.515	21.92	82.2	11.48	80.1	.0606	.7067	18.33.6	B	Noon.
21	28.515	21.78	82.9	11.49	80.9	.0600	.7068	18.33.7	C	1 12 p. m.
22	28.172	21.53	83.2	11.50	81.4	.0545	.7070	18.34.4	C	2 12 „
23	28.310	21.17	83.0	11.49	81.8	.0484	.7068	18.35.3	C	3 12 „
Nov., 21ST-Noon.	28.310	21.03	82.4	11.46	82.1	.0461	.7065	18.35.4	C	4 12 „
1	27.967	20.90	81.8	11.45	81.5	.0439	.7064	18.35.6	R	5 12 „
2	28.172	20.85	80.7	11.48	81.0	.0431	.7067	18.35.9	R	6 12 „
3	28.515	20.50	80.0	11.51	80.3	.0374	.7071	18.35.5	R	7 12 „
4	28.378	20.43	79.9	11.50	80.0	.0363	.7070	18.35.6	R	8 12 „
5	28.378	20.38	79.0	11.49	79.6	.0354	.7068	18.35.6	B	9 12 „
6	28.515	20.38	78.5	11.47	79.1	.0354	.7066	18.35.5	B	10 12 „
7	28.653	20.49	78.0	11.46	78.7	.0373	.7065	18.35.3	B	11 12 „
8	28.515	20.55	77.8	11.46	78.5	.0382	.7065	18.35.2	B	Midnight.
9	28.653	20.49	77.3	11.44	78.1	.0373	.7063	18.35.2	C	1 12 a. m.
10	29.721	20.58	77.1	11.43	77.8	.0387	.7062	18.34.8	C	2 12 „
11	28.378	20.51	76.9	11.42	77.4	.0376	.7061	18.35.0	C	3 12 „

DAILY OBSERVATIONS, FROM 21ST TO 24TH NOVEMBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Nov. 21ST—12	28·447	20.38	76·0	11.43	77·0	8.0354	2·7062	18°35′3	C	4 12 a. m.
13	27.967	20.51	75.9	11·48	76.8	·0376	.7067	18.35 3	R	5 12 „
14	27.349	20.51	75.9	11.40,	76.5	.0376	.7059	18.35.0	R	6 12 „
15	28·310	20.56	76.0	11.48	76.0	.0384	.7067	18.35.3	R	7 12 „
16	28·996	20.89	77.0	11.50	76.6	.0433	.7070	18.34·6	R	8 12 „
17	28.858	21.19	78.0	11.41	77·1	.0487	.7060	18.33.5	B	9 12 „
18	29.407	21.36	79.4	11.44	78·0	.0515	.7063	18.33.2	B	10 12 „
19	28.996	21.56	80.9	11.45	79.0	.0548	.7064	18.34.1	B	11 12 „
20	28·653	21.57	82.0	11.45	80.0	·0550	.7064	18.34.1	B	Noon.
21	29.133	21.43	82.9	11.48	80·9	.0527	.7067	18.34.6	C	1 12 p. m.
22	29.407	21.25	83.2	11.50	81.4	.0497	.7070	18.35.1	C	2 12 „
23	29.133	21.08	83.3	11.52	81·9	.0469	.7072	18·35.2	C	3 12 „
Nov. 22ND—Noon.	28.378	20.95	82.8	11.51	81.1	.0447	.7071	18.35.7	C	4 12 „
1	27 967	20.89	81.7	11.50	81.5	.0438	.7070	18.35.9	R	5 12 „
2	27.829	20.08	80.7	11·53	81.0	·0469	.7073	18.35.6	R	6 12 „
3	28.378	20.75	80.0	11.50	80.0	·0415	.7070	18.36.1	R	7 12 „
4	28.310	20.70	79.7	11.50	79.9	.0407	.7070	18.36.3	R	8 12 „
5	28.378	20.57	79.3	11.49	79.5	.0384	.7068	18.36.6	B	9 12 „
6	28.310	20.44	78.5	11·53	79.2	.0365	.7073	18.36.9	B	10 12 „
7	28.653	20.48	78.1	11.48	78.8	.0371	.7067	18.36.7	B	11 12 „
8	28.653	20.38	78.2	11.48	78·6	.0354	.7067	18.36.9	B	Midnight.
9	29.544	20.28	77.9	11.47	78·4	.0338	.7066	18.37·0	C	1 12 a. m.
10	29.133	20 25	77.8	11·46	78.4	.0333	.7065	18.37.1	C	2 12 „
11	28.653	20.43	77.4	11.44	78.2	.0363	.7063	18.36.6	C	3 12 „
12	28.653	20.31	76·7	11.43	77.7	.0343	.7062	18.36.8	C	4 12 „
13	27.967	20.54	76.6	11.51	77.0	.0381	.7071	18.36.7	R	5 12 „
14	28.035	20.52	76·2	11.51	77.0	·0377	.7071	18.36.7	R	6 12 „
15	28.447	20.63	76.4	11.40	76.6	.0395	.7059	18·36.0	R	7 12 „
16	28.653	20.75	77.0	11.40	76.7	.0415	.7059	18.35.7	R	8 12 „
17	28·721	20 98	78.1	11.37	77.2	.0452	.7055	18.35.2	B	9 12 „
18	28.584	21.36	79·8	11.39	78.0	.0515	.7057	18.34.4	B	10 12 „
19	28.241	21.43	80.8	11.39	79.0	.0527	.7057	18.34.3	B	11 12 „
20	28.104	21.54	82.1	11·42	80.0	.0547	.7061	18.34.0	B	Noon.
21	28.858	21.49	83.3	11.46	81.2	·0537	.7065	18.34.4	C	1 12 p. m.
22	29.270	21.29	84.4	11.47	82.2	.0504	.7066	18.35.3	C	2 12 „
23	28,721	21.06	84.3	11.48	82.5	.0466	.7067	18.35.4	C	3 12 „
Nov. 24TH—Noon.	28.339	20.56	82·3	11.42	82·3	.0384	.7061	18.36.3	R	4 12 „
1	28.653	20.02	81.5	11.46	82.0	.0295	.7065	18.37.5	R	5 12 „
2	28.927	20.28	80.7	11.43	81.0	.0338	.7062	18.36.8	R	6 12 „
3	28·447	20 36	80.2	11.47	80.4	.0351	.7066	18.36.8	R	7 12 „
4	28.447	20.30	79.7	11.47	80.0	.0341	.7066	18.37.0	R	8 12 „
5	28.378	20.39	79.1	11.49	79·6	.0340	.7068	18.37.1	B	9 12 „
6	28.721	20.24	78.3	11.45	79·1	.0332	.7064	18.37.0	B	10 12 „
7	28.858	20.31	78.1	11.44	78.8	.0343	.7063	18.36.9	B	11 12 „
8	28.447	20.44	78.1	11.44	78.8	.0365	.7061	18.36.5	B	Midnight.
9	28.653	20.32	77.9	11.41	78.7	.0344	.7060	18.36.8	H	1 12 a. m.
10	28.858	20.37	77.6	11.40	78.4	.0353	.7059	18.36.6	H	2 12 „
11	28.653	20.27	77.5	11.41	78·4	.0337	.7060	18.36.8	H	3 12 „
12	28.653	20.31	77.0	11.40	78.0	.0343	.7059	18.36.8	H	4 12 „
13	28.653	20.37	76.5	11.41	77.0	.0353	.7060	18.36.6	R	5 12 „
14	28.653	20.37	76.2	11.45	77.0	.0358	.7064	18·36.7	R	6 12 „
15	28.653	20.47	76.5	11.41	76.9	.0370	.7060	18.36.4	R	7 12 „
16	30.299	20.65	77.5	11.41	77.0	.0398	.7060	18.36.0	R	8 12 „
17	29.682	20.78	78.8	11.43	77.7	.0420	.7062	18.35·7	B	9 12 „
18	28.653	21.07	80.1	11.41	78.4	.0468	.7064	18.35·2	B	10 12 „
19	28.310	21.16	81.0	11.50	79.2	·0460	.7070	18.35·4	B	11 12 „
20	28·584	21.18	81.9	11.52	80.1	.0485	.7072	18.35.2	B	Noon.
21	29.133	21·14	82·9	11.52	80.7	.0479	.7072	18.35.4	H	1 12 p. m.
22	29.270	20.94	83.6	11.54	81.4	.0446	.7074	18.35.8	H	2 12 „
23	28.996	20.83	83.2	11.59	81.8	.0428	.7079	18.36.3	H	3 12 „

On the 21st, at about 19h. 15m., Dip as obtained by Observation was 19°07′2.
On the 22nd, at about 20h. 25m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 25TH TO 27TH NOVEMBER 1861.

DATE. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1861.
h.	° ′							° ′		h. m.
Nov. 25TH-Noon.	28·653	20.69	82·9	11.57	82·2	8.0405	2.7077	18°36′6.	H	4 12 p. m.
1	28·515	20.52	81.9	11.50	82.0	.0375	.7070	18.36.7	R	5 12 „
2	28.172	20.49	80.9	11.53	81.0	.0373	.7073	18.36.9	R	6 12 „
3	28.310	20.35	80.0	11.52	80.5	.0349	.7072	18.37.0	R	7 12 „
4	28.447	20.31	79.5	11.40	80.0	.0343	.7059	18.36.8	R	8 12 „
5	28.447	20.37	79.0	11.44	79.5	.0353	.7063	18.36.7	B	9 12 „
6	28.653	20.10	78.6	11.42	79.1	.0308	.7061	18.37.2	B	10 12 „
7	28.937	20.07	78.7	11.42	79.1	.0304	.7061	18.37.3	B	11 12 „
8	28.653	20.13	78.5	11.44	78.8	.0313	.7063	18.37.3	B	Midnight.
9	28.653	20.06	78.1	11.46	78.6	.0302	.7065	18.37.5	H	1 12 a. m.
10	28.310	20.33	77.7	11.46	78.5	.0346	.7065	18.36.8	H	2 12 „
11	27.761	20.28	77.2	11.42	78.1	.0338	.7061	18.36.8	H	3 12 „
12	27.761	20.45	76.9	11.39	77.8	.0366	.7057	18.36.4	H	4 12 „
13	27.555	20.37	76.2	11.41	77.0	.0353	.7060	18.36.6	R	5 12 „
14	27.967	20.52	76.0	11.36	76.9	.0377	.7054	18.36.1	R	6 12 „
15	28.310	20.57	76.5	11.40	76.5	.0386	.7059	18.36.1	R	7 12 „
16	28.996	20.57	77.6	11.41	77.0	.0386	.7060	18.36.1	R	8 12 „
17	29·476	20.78	78.8	11.43	77.6	.0420	.7062	18.35.7	B	9 12 „
18	29.064	21.02	80.1	11.43	78.4	.0459	.7062	18.35.2	B	10 12 „
19	28.721	21.02	81.0	11.48	79.1	.0459	.7067	18.35.5	B	11 12 „
20	28.858	21.10	82.0	11.48	81.0	.0472	.7067	18.35.4	B	Noon.
21	29.750	20.97	82.9	11.50	80.6	.0451	.7070	18.35.7	H	1 12 p. m.
22	30.505	20.66	83.4	11.54	80.4	.0400	.7074	18.36.5	H	2 12 „
23	30.025	20.30	83.4	11.56	81.9	.0341	.7076	18.37.4	H	3 12 „
Nov. 26TH-Noon.	29.064	20.13	82.9	11.56	82.0	.0313	.7076	18.37.8	H	4 12 „
1	29.339	19.87	81.8	11.48	82.0	.0271	.7067	18.38.0	R	5 12 „
2	28.996	19.74	80.7	11.53	81.0	.0250	.7073	18.38.4	R	6 12 „
3	29.339	19.66	79·8	11.50	80.0	.0238	.7070	18.38.5	R	7 12 „
4	29.544	19.66	79.8	11.49	79.7	.0238	.7068	18.38.4	R	8 12 „
5	30.093	19.50	78.8	11.47	79.0	.0210	.7066	18.38.7	B	9 12 „
6	29.613	19.53	78.4	11.47	78.9	.0216	.7066	18.38.5	B	10 12 „
7	29.544	19.69	78.0	11.44	78.5	.0243	.7063	18.38.2	B	11 12 „
8	29.064	20.04	77.7	11.44	78.1	.0297	.7063	18.37.4	B	Midnight.
9	28.721	20.23	77.4	11.44	77.9	.0330	.7063	18.37.0	H	1 12 a. m.
10	28·653	20.21	77.4	11.44	77.9	·0327	.7063	18.37.0	H	2 12 „
11	28.721	20·16	77.0	11.43	77.6	.0318	.7062	18.37·0	H	3 12 „
12	28·584	20.21	76.8	11.39	77.5	.0327	.7057	18.36.9	H	4 12 „
13	27.967	20.26	76.7	11.41	77.0	.0335	.7060	18.36.8	R	5 12 „
14	27.829	20.30	76.4	11.51	76.9	.0341	.7071	18.37.2	R	6 12 „
15	27.486	20·25	76.3	11.48	76·0	.0335	.7067	18.37.1	R	7 12 „
16	27.967	20.76	77.6	11.51	77·0	.0417	.7071	18·36.1	R	8 12 „
17	28·035	20.80	78·5	11.53	77.5	.0423	.7073	18.36.2	B	9 12 „
18	27.761	21.10	79.9	11.44	78.1	.0472	.7063	18.35.2	B	10 12 „
19	27.967	21.29	80.9	11.49	79.0	.0504	.7068	18.35.0	B	11 12 „
20	28.241	21.44	82.4	11.55	80.2	.0529	.7075	18.34.9	B	Noon.
21	28.584	21.35	83.0	11.46	80.8	.0513	.7065	18.34.8	H	1 12 p. m.
22	28·721	21.21	83.5	11.52	81.6	.0491	.7072	18.35.2	H	2 12 „
23	28.653	21.07	83.5	11.56	82.1	.0466	.7076	18.35.7	H	3 12 „
Nov. 27TH-Noon.	28.858	20.89	83.0	11.57	82.4	.0438	.7077	18.36.2	H	4 12 „
1	28.858	20.70	82.2	11.56	82.0	.0407	.7076	18.36.5	R	5 12 „
2	28.584	20.74	82.0	11.53	81.0	.0414	.7073	18.36.4	R	6 12 „
3	28.515	20.52	81.5	11.54	80.5	.0377	.7074	18.36.8	R	7 12 „
4	28·790	20.21	80·6	11.51	80.2	.0327	.7071	18.37.3	R	8 12 „
5	28.858	20.10	80.0	11.50	80.1	.0308	.7070	18.37.6	B	9 12 „
6	28.858	20.01	79.5	11.49	79.7	.0294	.7068	18.37.7	B	10 12 „
7	29.339	20.09	79.1	11.55	79.5	.0307	.7075	18.37.8	B	11 12 „
8	29.613	20.32	78·5	11.57	79.0	.0344	.7071	18.37.5	B	Midnight.
9	29.133	20·39	78.5	11.47	79.0	.0356	.7066	18.36.7	H	1 12 a. m.
10	29.064	20.43	78.4	11.44	78.8	.0363	.7063	18.36.6	H	2 12 „
11	28.790	20.40	78.0	11.48	78.5	.0358	.7067	18.36.8	H	3 12 „

On the 25th, at about 19h. 30m., Dip as obtained by Observation was 19°27′2.

DAILY OBSERVATIONS, FROM 27TH TO 29TH NOVEMBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Nov. 27TH—12	28·721	20.45	77·8	11.47	78·4	8.0366	2.7066	18°36′6	H	4 12 a. m.
13	28.310	20.62	77.6	11.56	78.0	.0393	.7076	18.36.7	R	5 12 „
14	28.310	20.61	77.0	11.54	77.9	.0392	.7074	18.36.6	R	6 12 „
15	27.967	20.71	77.0	11.43	77.5	.0409	.7062	18.35.9	R	7 12 „
16	29.064	20.90	77.9	11.43	77.5	.0439	.7062	18.35.5	R	8 12 „
17	29.613	21·06	79.5	11.45	78.4	.0466	.7064	18.35.2	B	9 12 „
18	29.339	21.32	80.4	11·44	78.8	.0508	.7063	18.34.7	B	10 12 „
19	28.927	21.52	81.2	11.43	79.3	.0541	.7062	18.34.2	B	11 12 „
20	28.790	21.42	81.9	11.45	80·1	.0525	.7064	18.34.4	B	Noon
21	28.584	21.46	83.0	11.38	81.4	.0537	.7056	18.34.1	H	1 12 p. m.
22	28.653	21·38	83.5	11.41	82.0	.0518	.7060	18.34.4	H	2 12 „
23	28.927	21.16	83.4	11·42	82.4	.0482	.7061	18.35.0	H	3 12 „
Nov. 28TH—Noon.	29.064	20.89	82.7	11.42	82.4	.0438	.7061	18.35.5	H	4 12 „
1	28.721	20.75	81.6	11.45	81·6	.0415	.7064	18.35·8	R	5 12 „
2	28.378	20.50	80.7	11.43	81.0	.0374	.7062	18.36.4	R	6 12 „
3	28.653	20.39	80.2	11.42	80.5	.0356	.7061	18.36.5	R	7 12 „
4	28.653	20.30	80.0	11.40	80.0	.0341	.7059	18.36.8	R	8 12 „
5	28.790	20.35	79.6	11·47	79.8	.0349	.7066	18.36.8	B	9 12 „
6	28.790	20.36	79.2	11.44	79.5	.0351	.7063	18·36.7	B	10 12 „
7	28.996	20.27	78.7	11.46	79.2	.0337	.7065	18.37.0	B	11 12 „
8	29.339	20·37	78·8	11·49	79·1	.0353	.7068	18.36.9	B	Midnight.
9	29·339	20.46	78.4	11.42	78.9	·0368	.7061	18·36.4	H	1 12 a. m.
10	30.025	20.54	78.3	11.41	78.7	.0381	.7060	18.36.3	H	2 12 „
11	29.819	20.39	78.0	11.40	78.5	·0356	.7059	18.36.5	H	3 12 „
12	29.064	20.42	77.6	11.35	78.4	.0361	.7053	18.36.3	H	4 12 „
13	29·819	20.41	77.0	11.44	78.0	·0360	.7063	18.36.5	R	5 12 „
14	29.064	20.46	76.7	11.43	77.1	.0368	.7062	18.36.4	R	6 12 „
15	27.624	21.04	76.6	11.41	77.0	.0462	.7060	18.35·2	R	7 12 „
16	28.447	20.92	77.9	11.42	77.2	.0442	.7061	18.35.5	R	8 12 „
17	29.339	20.90	79.0	11.40	78.0	.0439	.7059	18.35.5	B	9 12 „
18	29.270	21·33	80.5	11.46	78.8	.0510	.7065	18.34.8	B	10 12 „
19	28.447	21.38	81.5	11·47	79.5	.0518	.7066	18.34.5	B	11 12 „
20	28.310	21.32	82.2	11.47	80.2	.0508	.7066	18.34.8	B	Noon.
21	28.721	21.26	82.9	11.43	81.0	.0499	.7060	18.34.7	H	1 12 p. m.
22	28.790	21·10	83.1	11.49	81.6	.0472	.7068	18.35.4	H	2 12 „
23	28.721	20.97	83.0	11.52	82.0	.0451	.7072	18.35.7	H	3 12 „
Nov. 29TH—Noon.	2865.3	20.89	82.6	11.54	82·0	·0438	.7074	18.36.0	H	4 12 „
1	28·378	20.68	81.5	11.44	81.4	.0403	.7063	18.36.1	R	5 12 „
2	28.996	20·49	80.8	11·48	81.0	.0373	.7067	18.36.7	R	6 12 „
3	28.447	20.42	80·4	11.48	80.5	.0361	.7067	18.36.8	R	7 12 „
4	28.653	20.38	79.9	11.48	80.0	.0354	.7067	18.36·9	R	8 12 „
5	28.447	20.26	79.2	11.54	79.6	.0335	.7074	18.37.3	B	9 12 „
6	28.447	20.55	79.4	11.49	79.5	.0382	.7068	18.36.6	B	10 12 „
7	28.515	20.57	79.0	11.47	79.1	.0386	.7066	18.36.3	B	11 12 „
8	28.515	20.63	78.5	11.46	78.7	.0395	.7065	18.36.2	B	Midnight.
9	28.447	20.63	78.4	11.41	78.6	.0395	.7060	18.36.0	H	1 12 a. m.
10	28.378	20.67	78.0	11.41	78.6	·0402	.7060	18.36.0	H	2 12 „
11	27.967	20.69	78.0	11.44	78.1	·0405	.7063	18·36.0	R	3 12 „
12	27.898	20.65	77.4	11.44	78.0	.0398	.7063	18.36.1	R	4 12 „
13	28.172	20.60	77.0	11.43	77.6	.0390	.7062	18.36.1	B	5 12 „
14	28.035	20.77	77.0	11.44	77.3	.0419	.7063	18.35.8	B	6 12 „
15	27.967	20.96	77.0	11.45	77.3	.0449	.7064	18.35.4	H	7 12 „
16	28.790	21.06	77.0	11·42	77.4	.0466	.7061	18.35.1	H	8 12 „
17	28.721	21.38	78.5	11.43	77.5	.0518	.7062	18.34.4	R	9 12 „
18	28.996	21.51	79.9	11.44	78.0	.0540	.7063	18.34.3	R	10 12 „
19	28.721	21.55	80.8	11.47	78.9	.0546	.7066	18.34.2	B	11 12 „
20	28.447	21.49	81.9	11.29	79.8	.0537	.7046	18.33.7	B	Noon.
21	28.378	21.36	82.9	11.27	80.9	.0515	.7044	18.33.8	H	1 12 p. m.
22	28.790	21.20	83.8	11.28	81.9	.0489	.7045	18.34.3	H	2 12 „
23	28.653	20.86	83.8	11.30	82.1	.0433	.7048	18.35.2	R	3 12 „

On the 28th, at about 19h. 15m., Dip as obtained by Observation was 19°12′2.
On the 29th, at about 19h. 45m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 1ST TO 3RD DECEMBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Dec. 1st-Noon.	28·721	21.18	82°7	11.47	82°4	8.0405	2.7061	18°34′8	H	4 12 p. m.
1	28.653	21.02	82.0	11.37	82.2	.0459	.7055	18.35.1	H	5 12 „
2	28.721	20.88	81.0	11.16	81.4	.0436	.7032	18.34.4	H	6 12 „
3	28.856	20.95	80.3	11.24	80.7	.0447	.7041	18.34.6	H	7 12 „
4	28.927	20.81	79.8	11.36	80.2	.0425	.7054	18.35.4	H	8 12 „
5	28.996	20.77	79.0	11.39	79.6	·0419	.7057	13.35.7	R	9 12 „
6	28.653	20.98	78.2	11.37	79.0	.0452	.7055	18.35.2	R	10 12 „
7	29.682	20.32	77.6	11.36	78.6	.0344	.7054	18.36.6	R	11 12 „
8	30.025	20.47	77.6	11.34	78.1	.0370	.7052	18.36.1	R	Midnight.
9	29.476	20.44	77.7	11.36	78.1	.0365	.7054	18·36.2	B	1 12 a. m.
10	39.270	20.46	77.3	11.39	78.0	.0368	.7057	18.36.4	B	2 12 „
11	28.653	20.65	77.2	11.37	77.8	.0398	.7055	18.35.9	B	3 12 „
12	28.172	20.56	76.7	11.40	77.4	.0384	.7059	18.36.3	B	4 12 „
13	27.967	20.71	76.4	11.41	77.1	.0409	.7060	18.35.9	H	5 12 „
14	28.310	20.88	76.0	11.36	77.0	.0436	.7054	18.35.3	H	6 12 „
15	27.967	20.84	75.9	11.35	76.7	.0430	.7053	18.35.4	H	7 12 „
16	28·927	21.06	77.0	11.36	77.0	·0466	.7054	18.34.9	H	8 12 „
17	29.819	21.33	78.2	11.32	77·3	.0515	.7050	18.34.1	R	9 12 „
18	28.790	21.40	78.9	11·33	77.7	.0522	.7051	18.34.1	R	10 12 „
19	28·515	21.54	80.2	11.34	78.5	.0545	.7052	18.33.7	R	11 12 „
20	28·653	21.31	81·0	11.32	79.0	.0507	.7050	18.34.3	R	Noon.
21	28.653	21.12	81.9	11.33	80.2	.0475	.7051	18.34.7	B	1 12 p. m.
22	28.515	21.05	82.9	11.34	81.3	.0464	.7052	18.34.9	B	2 12 „
23	28.721	21.01	83.5	11.44	82.1	.0458	.7063	18.35.3	B	3 12 „
Dec. 2nd-Noon.	28.653	20.93	83.4	11.38	82.5	.0444	.7056	18.35.4	B	4 12 „
1	28.310	20.71	82.0	11.38	81.7	.0409	.7056	18.35.8	H	5 12 „
2	28.378	20.68	81.0	11.33	81.0	.0403	.7051	18.35.7	H	6 12 „
3	28.927	20.49	79.8	11.32	80.0	.0373	.7050	18.36.1	H	7 12 „
4	28.653	20.43	79.5	11.31	79.7	.0363	.7049	18.36.1	H	8 12 „
5	28.447	20·35	78.9	11.32	79.0	.0349	.7050	18.36.3	R	9 12 „
6	28.653	20.38	78.5	11.27	78.9	.0354	.7044	18.36.0	R	10 12 „
7	28.996	20.32	77.9	11.24	78.0	.0344	.7041	18.36.1	R	11 12 „
8	29.064	20.34	77.7	11.24	78.0	.0348	.7041	18.35.9	R	Midnight.
9	29.064	20.34	77.4	11.32	78.0	.0348	.7050	18.36.3	B	1 12 a. m.
10	28.927	20.19	77.1	11·32	78.0	.0323	.7050	18.36.7	B	2 12 „
11	28.721	20.45	77.1	11.25	77.6	.0366	.7042	18.35.7	B	3 12 „
12	28.927	20.43	76.6	11.20	77.3	.0363	.7037	18.35.7	B	4 12 „
13	28.721	20.48	76.0	11.29	77.0	.0371	.7046	18.35.9	H	5 12 „
14	28.310	20.59	75.6	11.28	76.6	.0389	.7045	18.35.6	H	6 12 „
15	27.967	20.74	75.6	11.23	76.1	.0414	.7040	18.35.2	H	7 12 „
16	27.898	21.02	76.8	11.25	76.5	.0466	.7042	18.34.4	H	8 12 „
17	29.613	21.42	77.9	11.21	77.0	.0525	.7038	18.33.5	R	9 12 „
18	29.682	21.85	79.6	11.18	78.0	.0597	.7034	18.32.4	R	10 12 „
19	29.476	21·91	80.9	11.18	78.9	.0605	.7034	18.32.3	R	11 12 „
20	28.653	21.79	82.0	11.19	79.8	.0586	.7035	18.32.6	R	Noon.
21	28.378	21.65	83.2	11.22	80.8	·0562	.7039	18.33.1	B	1 12 p. m.
22	28.310	21.05	84.2	11.20	81.8	.0538	.7037	18.33.4	B	2 12 „
23	28.241	21.15	84.1	11·20	82.7	.0480	.7037	18.34.2	B	3 12 „
Dec. 3rd-Noon.	28.172	21·08	83.6	11.21	83.0	.0469	.7038	18.35.3	B	4 12 „
1	28.035	21.00	82.8	11.28	82.6	.0456	.7045	18.34.7	H	5 12 „
2	27.898	20.93	81.6	11.23	81.8	.0444	.7040	18.34.8	H	6 12 „
3	28.310	20.86	80.9	11.23	81.0	.0433	.7040	18.34.9	H	7 12 „
4	28.378	20.77	80.0	11.26	80.2	.0419	·7043	18.35.1	H	8 12 „
5	28.653	20.76	79.5	11.24	79.5	.0417	·7041	18.35.0	R	9 12 „
6	28.653	20·70	78·9	11.22	79.0	.0407	.7039	18.35.1	R	10 12 „
7	28.790	20·57	77·9	11.23	78.2	.0386	.7040	18.35.4	R	11 12 „
8	28.653	20.56	77.3	11.24	78.0	.0384	.7041	18.35.6	R	Midnight.
9	28.790	20.64	77.2	11.21	77.7	.0397	.7038	18.35.2	B	1 12 a. m.
10	28.927	20.73	77.1	11.19	77.6	.0412	.7035	18.35.0	B	2 12 „
11	28.515	20.78	76.7	11.21	77.5	.0420	.7038	18.34.9	B	3 12 „

On the 2nd, at about 19h. 15m., Dip as obtained by Observation was 19°18′1.

DAILY OBSERVATIONS, FROM 3RD TO 5TH DECEMBER 1861.

DATE. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1861.
h.										h. m.
DEC. 3RD—12	28·310	20.73	76·3	11.19	77·0	8.0412	·2.7035	18°35·0	B	4 12 a. m.
13	27.898	20.56	75·6	11.20	76.6	.0384	.7037	18.35.5	H	5 12 „
14	27.349	20.70	75.3	11.24	76.2	.0407	.7041	18.35.2	H	6 12 „
15	27.624	20.86	75.6	11.23	76.0	.0433	.7040	18.34.9	H	7 12 „
16	28.310	21.32	76.8	11.24	76.2	·0508	.7041	18.33.9	H	8 12 „
17	29.682	21.57	77.8	11.21	77.0	.0550	.7038	18.33.2	R	9 12 „
18	30.025	21.91	79.5	11.18	77.7	.0605	.7034	18.32.3	R	10 12 „
19	29·819	22.08	80.7	11.16	78·6	.0633	.7032	18.31.7	R	11 12 „
20	28.996	22.11	82·0	11.17	80.0	.0638	·.7033	18.31.9	R	Noon.
21	28.653	21.91	83.0	11.18	80.8	.0605	.7034	18.32.3	B	1 12 p.m.
22	28.515	21.59	83·8	11.21	81.9	.0553	.7038	18.33.2	B	2 12 „
23	29.064	21.44	84·6	11.23	82.5	.0529	.7040	18.33.6	B	3 12 „
DEC. 4TH-Noon.	29.270	21.21	84.3	11·24	82.9	.0491	.7041	18.34·1	B	4 12 „
1	29.339	21.09	83.0	11.17	82.4	.0471	.7033	18:34.1	H	5 12 „
2	29.064	20.58	81.3	11.14	81.2	.0387	·7030	18·35.0	H	6 12 „
3	29.339	20.12	80.5	11.22	80.5	.0311	.7039	18.36.4	H	7 12 „
4	29.750	19.35	80.0	11.20	80.0	.0185	.7037	18·37.9	H	8 12 „
5	30.711	19.10	78.6	11.17	79·0	.0144	.7033	18.38·4	R	9 12 „
6	29.682	19.03	78.5	11.22	79.0	.0133	·7039	18.38.6	R	10 12 „
7	29.682	19.32	77.9	11.25	78.2	.0180	.7042	18.38.2	R	11 12 „
8	30.025	19.40	77.5	11·24	78.0	.0194	.7041	18·38·0	R	Midnight.
9	30.025	19.60	77.2	11.19	77.8	·0228	·7035	18.37.3	B	1 12 a. m.
10	29.339	19.82	76.6	11.21	77.5	·0262	.7038	18·37.0	B	2 12 „
11	28.996	19.84	76.6	11.19	77.0	.0266	.7035	18.36·8	B	3 12 „
12	28.515	19.71	76.3	11.19	77.0	.0245	.7035	18.37·0	B	4 12 „
13	27.967	19.68	76.0	11.20	76.6	.0241	.7037	18.37·3	H	5 12 „
14	27.624	19.87	75.6	11.18	76.0	.0271	.7034	18.36·7	H	6 12 „
15	27.624	20·08	76.0	11.17	75.8	.0305	.7033	18.36.2	H	7 12 „
16	28.584	20.26	77.0	11.22	76.2	.0335	.7039	18.36.0	H	8 12 „
17	28.996	20.52	77.6	11.20	76.5	·0377	.7037	18.35.5	R	9 12 „
18	29.339	20·76	79.2	11.23	77.5	·0417	.7040	18.35.0	R	10 12 „
19	29.201	20.85	80.5	11.21	78.5	.0431	.7038	18.34.8	R	11 12 „
20	28.996	20.95	81.7	11.17	79.3	.0447	.7033	18.34·3	R	Noon.
21	29.064	21.21	82.7	11.22	80.5	.0491	.7039	18·34.0	B	1 12 p.m.
22	29.750	20.81	83.1	11.23	81.0	.0425	.7040	18.34.9	B	2 12 „
23	30.162	20.23	83·3	11.21	81.6	.0330	·7038	18.36·1	B	3 12 „
DEC. 5TH-Noon.	31.122	19·93	82.5	11.23·	81.7	.0280	.7040	18.36.9	B	4 12 „
1	29.887	20.12	81.5	11·24	81.2	.0311	.7041	18.36.5	H	5 12 „
2	30.025	20.06	80·6	11.23	81.0	.0303	·7040	18.36.6	H	6 12 „
3	29.682	19.70	80.0	26·10*	80·0	.0243	.7034	18.37.1	H	7 12 „
4	31.054	19.43	79·6	26.32	79.6	·0199	.7058	18.38.6	H	8 12 „
5	30.711	19·17	79.0	26.12	79.0	.0156	.7036	18.38.2	R	9 12 „
6	30.025	19.53	78·5	26.19	79·0	.0215	.7043	18.37·7	R	10 12 „
7	30.368	19.44	78.0	26.35	78·3	.0201	.7061	18.38·6	R	11 12 „
8	29.682	19·39	78.0	26.14	78.0	.0192	.7038	18.37.9	R	Midnight.
9	28·996	19.55	77.5	26.15	77.7	.0218	.7039	18.37.5	B	1 12 a. m.
10	28·447	19.83	77.1	26.28	77.6	.0264	.7053	18.37.6	B	2 12 „
11	28.515	19.86	77·1	26.32	77.3	.0269	.7058	18.37.7	B	3 12 „
12	28.172	19.97	76.8	26.29	77.0	.0287	.7054	18.37.2	B	4 12 „
13	28·858	19·90	76.4	26.25	76.8	.0275	.7050	18.37.3	H	5 12 „
14	28.653	19.84	75.8	26.18	76.1	.0266	.7042	18.37.0	H	6 12 „
15	27.692	20.08	76.0	26.28	76.0	.0305	.7053	18.37.0	H	7 12 „
16	27·761	20.25	77.4	26.31	76.4	.0333	.7057	18.36.9	H	8 12 „
17	28.310	20.48	78.5	26.66	77.0	.0371	.7095	18.37.8	R	9 12 „
18	28·858	20.69	79.4	26.56	77.5	.0405	·7084	18.36.8	R	10 12 „
19	29.339	20·83	81.0	26.26	78.6	.0428	.7051	18.35.3	R	11 12 „
20	28.653	20.81	82.0	26.05	79.7	.0425	.7028	18·38.5	R	Noon.
21	28.378	20.58	82·6	26.31	80.3	·0387	.7057	18.36·1	B	1 12 p.m.
22	28·721	20.38	82.6	26.37	80.6	.0354	.7063	18.36.7	B	2 12 „
23	29.476	20.19	82.8	26.39	81.3	.0323	.7065	18·37.1	B	3 12 „

On the 5th, at about 19h. 30m., Dip as obtained by Observation was 19°07·2.

* Vertical Force Magnetometer re-adjusted at this hour.

DAILY OBSERVATIONS, FROM 6TH TO 9TH DECEMBER 1861.

DATE. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1861.
h.										h. m.
DEC. 6TH-Noon.	29·613	20.14	82°3	26.37	81°6	8.0345	2.7063	18°36'7	B	4 12 p. m.
1	29.339	20.07	81.8	26.34	81.4	.0303	.7060	18.37.3	H	5 12 „
2	29.339	19.99	80.8	26.33	81.0	.0290	.7059	18.37.4	H	6 12 „
3	29.819	19.82	80.4	26.35	80.1	.0262	.7061	18.37.8	H	7 12 „
4	29.682	19.55	79.7	26.39	79.6	.0218	.7065	18.35.5	H	8 12 „
5	30.025	19.42	79.0	26.67	79.0	.0197	.7096	18.40.0	R	9 12 „
6	30.368	19.52	78.7	26.56	78.7	.0213	.7084	18.39.4	R	10 12 „
7	29.819	19.69	78.0	26.54	78.0	.0243	.7082	18.38.9	R	11 12 „
8	30.368	19.83	78.2	26.74	78.0	.0264	.7104	18.39.5	R	Midnight.
9	30.846	19.73	77.6	26.73	77.8	.0248	.7103	18.39.6	B	1 12 a. m.
10	30.505	19.68	77.2	26.71	77.5	.0241	.7101	18.39.7	B	2 12 „
11	30.848	19.95	77.2	26.75	77.5	.0283	.7105	18.39.4	B	3 12 „
12	30.711	19.99	76.8	26.77	77.2	.0290	.7107	18.39.3	B	4 12 „
13	30.025	19.79	76.6	26.76	77.0	.0258	.7106	18.39.6	H	5 12 „
14	29.407	19.78	76.0	26.60	76.6	.0256	.7089	18.38.9	H	6 12 „
15	28.653	20.12	76.5	26.69	76·4	.0311	.7098	18.38.7	H	7 12 „
16	28.653	20.32	77.4	26.70	76.7	.0344	.7100	18.38.4	H	8 12 „
17	28.790	20.60	78.5	26.61	77.0	.0390	.7090	18.37.3	R	9 12 „
18	29.339	20.72	79.7	26.54	77.9	.0410	.7082	18.36.7	R	10 12 „
19	28.653	21.01	80.7	26.21	78.6	.0458	.7046	18.34.7	R	11 12 „
20	28.172	21.16	81.5	26.16	79.5	.0482	.7040	18.34.3	R	Noon.
21	28.858	20.95	82.4	26.35	80.1	.0447	.7061	18.35.3	B	1 12 p. m.
22	29.339	21.08	83.1	26.37	80.6	.0469	.7063	18.35.2	B	2 12 „
23	29.544	20.86	83.1	26.44	81.2	.0833	.7071	18.36.0	B	3 12 „
DEC. 8TH-Noon.	29.476	20.84	83.0	26.07	82.4	.0430	.7030	18.34.5	H	4 12 „
1	29.339	20.54	81.6	26.21	82.0	.0380	.7046	18.35.8	H	5 12 „
2	29.201	20 46	80.6	26.32	81.4	.0368	.7058	18.36.4	H	6 12 „
3	29.064	20.38	80.0	26.36	80.4	.0364	.7062	18.36.6	H	7 12 „
4	29.201	20.37	79.4	26.36	79.9	.0353	.7062	18.36.6	H	8 12 „
5	28.515	20.65	78.9	26.39	79.5	.0398	.7065	18.36.2	R	9 12 „
6	28.721	20.63	78.2	26.46	79.0	.0395	.7072	18.36.4	R	10 12 „
7	28.653	20.67	77.9	26.25	78.4	.0402	.7050	18.35.7	R	11 12 „
8	28.996	20.62	77.6	26.29	78.0	.0393	.7054	18.35.9	R	Midnight.
9	28.721	20.83	77.4	26.32	77.9	.0428	.7058	18.35.6	B	1 12 a. m.
10	28.447	20.63	77.1	26.33	77.6	.0395	.7059	18.36.0	B	2 12 „
11	28.447	20.73	76.6	26.37	77.4	.0412	.7063	18.36.0	B	3 12 „
12	28.310	20.42	76.5	26.33	77.0	.0361	.7059	18.36.5	B	4 12 „
13	27.692	20 87	75.8	26.26	76.8	.0435	.7051	18.35.2	H	5 12 „
14	27.624	20.50	75.2	26.29	76.2	.0374	.7054	18.36.2	H	6 12 „
15	27.761	20.44	75.4	26.33	76.0	.0365	.7059	18.36.4	H	7 12 „
16	27.624	20.49	76.6	26.50	76.6	.0373	.7078	18.37.1	H	8 12 „
17	30.368	20.75	77.5	26.51	77.0	.0415	.7079	18.36.4	R	9 12 „
18	30.368	21.07	79.0	26.47	78.0	.0468	.7074	18.35.6	R	10 12 „
19	31.054	21.37	80.7	26.36	78.9	.0517	.7062	18.34.4	R	11 12 „
20	30.711	21.32	81.8	26.21	79.5	.0508	.7046	18.34.1	R	Noon.
21	29.750	21.26	82.5	25.61	80.2	.0499	.6980	18.31.6	B	1 12 p. m.
22	29.064	21.14	82.9	25.52	80.8	.0479	.6970	18.31.5	B	2 12 „
23	30.035	20.48	82.6	25.71	81.1	.0371	.6991	18.33.7	B	3 12 „
DEC. 9TH-Noon.	29.750	20.20	81.3	25.83	81.1	.0325	.7004	18.34.7	B	4 12 „
1	29.339	20.27	80.4	25.72	80.6	.0337	.6992	18.34.1	H	5 12 „
2	29.339	20.22	79.6	25.85	80.0	.0328	.7006	18.34.8	H	6 12 „
3	29.270	20.29	79.4	26.93	79.4	.0340	.7015	18.35.1	H	7 12 „
4	29.133	20.22	79.0	26.07	79.0	.0328	.7030	18.35.8	H	8 12 „
5	29.339	20.34	78.3	26.16	78.5	.0348	.7040	18.35.9	R	9 12 „
6	29.339	20.47	77.9	26.14	78.0	.0370	.7038	18.35.6	R	10 12 „
7	29.339	20.12	77.0	26.18	77.5	.0311	.7042	18.36.5	R	11 12 „
8	29.339	20.12	76.8	26.21	77.0	.0311	.7046	18.36.7	R	Midnight.
9	29.544	20.20	75.8	26.35	76.8	.0325	.7061	18.36.9	B	1 12 a. m.
10	28.996	20.16	75.5	26.24	76.3	.0318	.7049	18.36.6	B	2 12 „
11	28.515	20.15	75.1	26.28	76.0	.0315	.7053	18.36.8	B	3 12 „

On the 6th, at about 19h. 25m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 9TH TO 11TH DECEMBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Dec. 9th—12	27·624	20.46	74·5	26.22	75·6	8.0368	2.7047	18°36′0	B	4 12 a. m.
13	28.515	20.31	74.2	26·28	75·4	.0343	.7053	18.36.6	H	5 12 ,,
14	28.310	20.35	73·8	26.38	74.8	.0349	.7046	18.36·7	H	6 12 ,,
15	27.761	20.65	74.0	26.58	74.4	·0398	.7086	18.37·0	H	7 12 ,,
16	29.544	20.26	74.5	26.69	74·8	.0335	.7098	18·38.3	H	8 12 ,,
17	29.682	20.59	75.7	26·59	75.0	.0389	.7087	18.37.2	R	9 12 ,,
18	30.025	20.73	77.9	26.68	76.0	.0412	.7097	18·37.4	R	10 12 ,,
19	30.162	20·64	79.4	26.52	77.2	.0397	.7080	18.36.8	R	11 12 ,,
20	30.162	20·52	80.4	26.45	78.0	.0377	.7072	18.36.7	R	Noon.
21	30.368	20.22	81·1	26 31	78.6	.0328	.7057	18.36.9	B	1 12 p. m.
22	30.505	19.88	81.5	26.23	79.4	.0272	.7048	18.37.3	B	2 12 ,,
23	30·505	19.78	81.5	26.01	79.7	.0256	.7024	18.36.4	B	3 12 ,,
Dec. 10th-Noon.	30.573	19.43	81.0	26.09	80.3	.0199	.7032	18.37.5	B	4 12 ,,
1	29.819	19.27	81.7	26.08	80.0	·0173	.7031	18.37.9	H	5 12 ,,
2	29.750	19.12	78.8	26·22	79.1	·0147	.7047	18.38.8	H	6 12 ,,
3	29.750	18·91	78.4	26.35	78.4	.0113	.7061	18.39.8	H	7 12 ,,
4	30.025	19.00	77·8	26.50	78·0	.0128	.7078	18.40.2	H	8 12 ,,
5	30.573	19.70	77.2	26.52	77.3	.0243	.7080	18.38.9	R	9 12 ,,
6	30.368	19.39	76.9	26.45	77.0	.0192	.7072	18.39.1	R	10 12 ,,
7	30.368	19.18	76.3	26·40	76.8	.0157	·7067	18.39·4	R	11 12 ,,
8	30.368	19.54	75.5	26.28	76.0	.0217	.7063	18·38.4	R	Midnight.
9	29.682	19·74	75.2	26.22	75.8	.0250	.7047	18.37.5	B	1 12 a. m.
10	29.270	19·67	74.7	26.77	75.5	·0240	·7052	18.37.8	B	2 12 ,,
11	28.858	19.83	74.0	26·35	75.1	.0264	.7061	18.37.8	B	3 12 ,,
12	28·378	20.16	73.5	26.39	74.6	.0318	.7065	18.37.2	B	4 12 ,,
13	28.515	19.86	73.4	26.43	74.4	.0269	.7070	18.38.1	H	5 12 ,,
14	28.584	19.99	73.0	26.36	73.8	.0290	.7062	18.37.4	H	6 12 ,,
15	27.006	20.04	73.0	26·50	73.4	.0299	.7078	18.38.0	H	7 12 ,,
16	26·938	20·12	74.0	26.62	74.0	·0311	.7091	18·38·4	H	8 12 ,,
17	27.281	20.54	75.5	26.73	74.2	.0381	.7103	18.38.0	R	9 12 ,,
18	27.418	20.76	76.7	26.57	75·0	.0417	.7085	18.36.7	R	10 12 ,,
19	28.104	20.80	78.0	26.55	75·9	.0423	.7083	18.36·6	R	11 12 ,,
20	28.104	20.87	79.0	26.59	76·6	.0435	.7087	18.36.6	R	Noon.
21	28.447	20.86	79.3	26 61	77.5	.0433	.7090	18.36.8	B	1 12 p. m.
22	29.201	20.63	80.3	26.46	78.5	.0395	.7073	18.36.4	B	2 12 ,,
23	29.750	20.70	80.5	26·27	79.0	.0407	.7052	18.35.6	B	3 12 ,,
Dec. 11th-Noon.	29.133	20.65	80.2	26.20	79.2	·0398	.7045	18.35.5	B	4 12 ,,
1	29.270	20.08	79.0	26.22	78.8	.0305	.7047	18·36.8	H	5 12 ,,
2	29.544	19.79	78.0	26·25	78.3	.0258	.7050	18.37.5	H	6 12 ,,
3	29.819	19.48	77.1	26.34	77.4	.0207	.7060	18.38.5	H	7 12 ,,
4	29.544	19.52	76.8	26.28	77.4	.0213	.7053	18.38.3	H	8 12 ,,
5	29.476	19.63	76·0	26.39	76.4	·0233	.7065	18.38.4	R	9 12 ,,
6	28.996	19.73	75.7	26.38	76.0	.0248	.7064	18.38.0	R	10 12 ,,
7	29.544	19.80	74.9	26.42	75.6	.0259	.7069	18.38.1	R	11 12 ,,
8	30.162	19.76	74.5	26.25	75.0	.0253	.7050	18.37.6	R	Midnight.
9	29.819	19.84	74.1	26.34	74.7	.0266	.7060	18.37.7	B	1 12 a. m.
10	29.956	19.82	73.7	26·34	74.5	.0262	.7060	18.37.8	B	2 12 ,,
11	28.996	19.98	73.4	26.28	74.3	.0288	·7053	18.37.2	B	3 12 ,,
12	28.721	20.13	73.1	26·41	73.8	.0313	.7068	18.37.5	B	4 12 ,,
13	29.476	20.22	72.6	26.21	73.7	.0328	.7046	18.36.4	H	5 12 ,,
14	29.682	20.18	72.4	25.80	73.4	.0321	.7001	18.34.7	H	6 12 ,,
15	28.653	20.25	72.8	25.30	73.3	.0333	.6946	18.32·5	H	7 12 ,,
16	28.653	20.63	74.5	25.31	73.6	.0395	.6947	18.31.7	H	8 12 ,,
17	28.996	20.79	75.5	25.53	74.3	.0422	.6971	18.32.2	R	9 12 ,,
18	28.996	21.08	77.1	25·20	75.0	.0436	.6935	18.30.7	R	10 12 ,,
19	28·310	21.37	79.0	24.90	76.5	.0517	.6902	18.28.2	R	11 12 ,,
20	28.515	21.20	79.7	25.05	77.0	.0489	.6918	18.29.3	R	Noon.
21	28.996	21.06	80.3	24·99	78.0	.0466	.6911	18.29.3	B	1 12 p. m.
22	28.790	20·81	80.7	25.06	78.5	.0425	.6919	18.30.1	B	2 12 ,,
23	28.858	20·76	80.7	24.95	79.6	.0417	.6907	18.29.8	B	3 12 ,,

On the 9th, at about 19h. 35m., Dip as obtained by Observation was 19°00′0.

DAILY OBSERVATIONS, FROM 12TH TO 15TH DECEMBER 1861.

Date. Göttingen Mean Time 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Dec. 12th-Noon.	28·927	20.60	80°4	24.99	79°5	8.0390	2.6911	18°30′3	B	4 12 p. m.
1	29.201	20.42	79.4	24.92	79.0	.0361	.6904	18.30.4	H	5 12 „
2	29.064	20.43	78.5	24.81	78.5	.0363	.6892	18.29.9	H	6 12 „
3	29·133	20.35	78.0	24.66	78.1	.0349	.6875	18.29.4	H	7 12 „
4	29·064	20.25	77.5	24.83	77.5	.0333	.6894	18.30.4	H	8 12 „
5	29.064	20.18	77.1	25.10	77.0	.0321	.6924	18.31.7	R	9 12 „
6	29.064	20.24	76.6	25.10	76.6	.0332	.6924	18.31.6	R	10 12 „
7	28.858	20.28	76.0	25.10	76.0	.0338	.6924	18.31.5	R	11 12 „
8	29.064	20.36	75.6	25.18	76.0	.0351	.6932	18.31.6	R	Midnight.
9	28.996	20.40	75.3	25.18	76.0	.0358	.6932	18·31.5	B	1 12 a. m.
10	28.653	20.41	75.3	25.17	75.6	.0360	.6931	18.31.5	B	2 12 „
11	28.653	20.38	74.6	25.24	75·3	.0354	.6939	18.31.9	B	3 12 „
12	28.310	20·44	74.5	25.25	75.0	.0365	.6940	18.31·8	B	4 12 „
13	28.584	20.43	74.0	25.54	74.7	.0363	.6972	18.33.0	H	5 12 „
14	28.310	20.47	73.7	25.63	74.4	.0370	.6984	18.33.4	H	6 12 „
15	27·829	20.61	74.3	25.43	74.4	.0392	.6960	18.32.2	H	7 12 „
16	27·418	20.90	75·5	25.49	74.8	.0439	.6966	18.31.8	H	8 12 „
17	30.711	21.13	77.0	25.69	75·5	.0477	.6988	18.32.2	R	9 12 „
18	31.740	21.36	78.0	25.48	76.0	.0515	.6965	18·30.7	R	10 12 „
19	32.083	21.42	79.3	25.30	76.8	.0525	.6946	18.29.9	R	11 12 „
20	31.740	21.29	80.2	25.18	77.6	.0504	.6932	18.29.7	R	Noon.
21	30.573	21·19	80.5	25·09	78.1	.0475	.6922	18.29.6	B	1 12 p. m.
22	29.613	20.89	80.6	25.01	78.6	.0438	.6914	18.29.8	B	2 12 „
23	29.476	20.72	80.7	24.93	79.2	.0410	.6905	18.29.9	B	3 12 „
Dec. 13th-Noon.	28.927	20.61	80.1	24.90	79.4	.0392	.6902	18.29.9	B	4 12 „
1	28.653	20.57	79.1	24·87	79·0	·0386	.6898	18 29.8	H	5 12 „
2	28.790	20.39	78.3	25.15	78.2	.0356	.6929	18.31.4	H	6 12 „
3	28.927	20.24	77.7	24.64	78·0	.0332	.6873	18.29.6	H	7 12 „
4	28.996	20.21	77.3	24.92	77.2	.0327	.6904	18.30.8	H	8 12 „
5	28.996	20.36	77.0	24.91	77.0	.0351	.6903	18.30.5	R	9 12 „
6	28.996	20.39	76.6	24.90	76.8	.0356	.6902	18.30.3	R	10 12 „
7	28·996	20.34	76.0	25·03	76.1	.0348	.6916	18.31.0	R	11 12 „
8	28.996	20·50	75.3	25·08	75.9	.0374	.6921	18·31.0	R	Midnight.
9	28.858	20.49	75.2	25.12	75·6	.0373	.6926	18.31.2	B	1 12 a. m.
10	28·584	20·49	75.0	25.09	75.5	.0373	.6922	18.31.0	B	2 12 „
11	28.310	20.49	74.5	25.16	75.1	.0373	.6929	18.31.3	B	3 12 „
12	28.310	20.51	74.2	25.09	74.6	.0376	.6922	18.30.9	B	4 12 „
13	28.310	20·62	74.0	25.13	74.4	.0393	.6927	18.31.0	H	5 12 „
14	27.967	20.75	73.9	25.13	74.3	.0415	.6927	18.30.6	H	6 12 „
15	27.898	20.79	74.0	25.20	74.1	.0422	.6935	18·30.9	H	7 12 „
16	29.133	21.16	75.5	25.24	74.5	.0482	.6939	18.30.3	H	8 12 „
17	30.025	21.35	76.8	25.21	75.3	.0513	.6936	18.29.8	R	9 12 „
18	30.436	21·49	78.0	25·08	76.0	.0537	·6921	18.28.8	R	10 12 „
19	30.848	21.71	79.2	25.00	76·8	.0573	.6913	18.28.1	R	11 12 „
20	29.819	21.47	80.1	24.63	77.5	.0534	.6872	18.26.9	R	Noon.
21	28.996	21.24	80.5	24.50	78.0	.0496	.6858	18.26.9	B	1 12 p. m.
22	28.172	21.09	80.6	24.66	78.5	.0471	.6875	18.27.9	B	2 12 „
23	28.172	20.98	80·8	24.69	79.1	.0452	.6877	18.28.2	B	3 12 „
Dec. 15th-Noon.	29.201	21.00	81.2	24.52	80.6	.0456	.6860	18.27.4	H	4 12 „
1	28.653	20.77	80.4	24.46	80.3	.0419	.6853	18.27.7	H	5 12 „
2	28.447	20.59	79.4	24.59	79.6	.0389	.6867	18.28.6	H	6 12 „
3	28.858	20·44	78·6	24.72	79.0	.0365	.6882	18.29.4	H	7 12 „
4	28.927	20.48	78.2	24.76	78.7	.0371	.6886	18.29.6	H	8 12 „
5	28.447	20.47	77.6	24.74	78.0	.0370	.6884	18.29.5	R	9 12 „
6	28.447	20·52	77.4	24.84	77.9	.0377	.6895	18.29.9	R	10 12 „
7	28.790	20.61	77.3	24.83	77.6	.0392	.6894	18.29.6	R	11 12 „
8	28.927	20.61	77.0	24.82	77.3	.0392	.6893	18.29.6	R	Midnight.
9	28.927	20·56	76.8	24.92	77.3	·0384	.6904	18.30.2	B	1 12 a. m.
10	28·653	20.70	76.8	24.92	77.2	.0407	.6904	18.29.8	B	2 12 „
11	28.653	20.62	76.5	24.91	76.9	.0393	.6903	18.30.0	B	3 12 „

On the 12th, at about 19h. 30m., Dip as obtained by Observation was 19°02′2.

On the 13th, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 15TH TO 17TH DECEMBER 1861.

DATE. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1861.
h.										h. m.
DEC. 15TH—12	28·515	20.51	76·0	24.90	76·5	8.0376	2.6902	18°30·1	H	4 12 a. m.
13	28.378	20.51	75.6	24.89	76.2	.0376	.6900	18.30.1	H	5 12 „
14	28.104	20.63	75.3	24.96	76.0	·0395	.6903	18.30.1	H	6 12 „
15	26.938	20·74	75.4	24.92	75.7	·0414	.6904	18.29.8	H	7 12 „
16	27·624	21.22	76.2	24.94	76.0	.0492	.6906	18·28.8	H	8 12 „
17	28·653	21.62	76.8	24.94	76.2	.0557	.6906	18.27.9	R	9 12 „
18	28.653	21.79	78.0	24.60	76.8	.0586	.6869	18.26.0	R	10 12 „
19	28.447	21.96	79·5	24.38	77.9	.0613	.6844	18.24.9	R	11 12 „
20	28.447	22.01	80.9	24.32	79.0	.0622	.6838	18.24.5	R	Noon.
21	28.721	21.81	81.5	24.34	79.5	.0589	·6840	18·25.0	B	1 12 p. m.
22	29.339	21.52	81.5	24.49	79.8	.0541	.6856	18.26.3	B	2 12 „
23	29.339	21.28	81.5	24.59	80.2	.0502	.6867	18.27.2	B	3 12 „
DEC. 16TH-Noon.	29.133	21.00	80.6	24.61	80.2	.0456	.6870	18.27.8	B	4 12 „
1	28.584	20.88	79.6	24.50	80.0	.0436	.6858	18.27.7	H	5 12 „
2	28.584	20.68	·78.7	24.64	79.4	.0403	.6873	18.28.7	H	6 12 „
3	28.653	20.64	78.4	24.66	78.8	.0397	.6875	18.28.8	H	7 12 „
4	28.653	20.58	78.0	24.95	78.4	.0387	.6907	18.30.2	H	8 12 „
5	28.515	20.60	77.8	24.94	78.0	.0390	.6906	18.30.1	R	9 12 „
6	28.378	20.60	77.5	24.99	78.0	.0390	.6911	18.30.3	R	10 12 „
7	28.447	20.61	77.0	24.98	77.5	.0392	.6910	18.30.3	R	11 12 „
8	28.653	20.66	75.9	25.01	77.0	.0400	6915	18.30.4	R	Midnight.
9	28.927	20.67	75.6	24.95	76.6	.0402	.6907	18.30.1	B	1 12 a.m.
10	28.858	20.64	75.2	25.09	76.3	.0397	.6922	18.30.6	B	2 12 „
11	28.310	20.73	74.9	25.08	76.0	.0412	.6921	18.30.5	B	3 12 „
12	28.035	20.78	74.5	24.57	75.5	.0420	.6865	18.28.1	B	4 12 „
13	27.634	20.85	74.0	24.76	75.4	.0431	.6881	18.28.6	H	5 12 „
14	27.829	21.08	73.5	24.90	75.0	.0469	.6902	18.28.9	H	6 12 „
15	26.663	21.27	73.7	24.63	74.4	.0501	.6369	18.27.2	H	7 12 „
16	26.595	21.69	75.2	24.70	75.0	.0569	.6880	18.26.8	H	8 12 „
17	27.967	21.78	76.0	25.05	75 0	.0584	.6918	18.28.2	R	9 12 „
18	28.653	21.95	77.5	24.88	76.0	.0611	.6899	18.27.0	R	10 12 „
19	28.310	22.30	78·9	24.73	76.9	.0669	.6883	18.25.6	R	11 12 „
20	28.996	22.23	80.3	24.64	78.0	.0658	.6873	18.25.3	R	Noon.
21	29.064	21.90	80.9	24.76	78.5	.0603	.6886	18.26.6	B	1 12 p. m.
22	28.721	21.56	81.2	24.75	78.9	.0548	.6885	18.27.2	B	2 12 „
23	28.515	21.37	81.4	24.61	79.6	.0517	.6870	18.27.0	B	3 12 „
DEC. 17TH-Noon.	28.241	21.04	80.7	24.61	79.8	.0466	.6870	18.27.7	B	4 12 „
1	27.829	21.03	79.8	24.59	79.5	.0461	.6867	18.27.7	H	5 12 „
2	28.310	20 87	78.7	24.74	79.0	.0435	.6384	18.28.6	H	6 12 „
3	28.310	20.74	78.0	24.85	78.4	.0414	.6896	18.29.5	H	7 12 „
4	28.172	20.68	77.9	24.82	78.0	.0403	.6893	18.29.5	H	8 12 „
5	28.447	20.57	77.6	24.89	77.9	.0386	.6900	18.29.9	R	9 12 „
6	28.515	20.31	77.3	24.63	77.5	·0343	.6372	18.29.4	R	10 12 „
7	29.3·9	20.26	77.0	24.62	77.2	.0335	.6371	18.29.4	R	11 12 „
8	29.682	19.83	76.3	24.61	77.0	.0264	.6870	18.30.4	R	Midnight.
9	29.887	19.51	75.8	24.65	76.5	.0212	.6874	18.31.2	B	1 12 a. m.
10	29.407	19.69	75.5	24.64	76.3	.0243	.6873	18.30.8	B	2 12 „
11	29.270	20.09	75.2	24.73	76.0	.0307	.6883	18.30.3	B	3 12 „
12	28.790	20.14	75.2	24.82	75.6	·0315	.6893	18.30.5	B	4 12 „
13	28.653	20.34	74.4	24.94	75.4	.0348	.6906	18.30.6	H	5 12 „
14	28.310	20.26	74.2	24.95	75.0	.0335	.6907	18·30.9	H	6 12 „
15	28.035	20.45	74.6	25.05	74.4	.0366	.6918	18.30.9	H	7 12 „
16	28.996	20.66	74.8	25.14	74.8	.0400	.6928	18·30·9	H	8 12 „
17	29.682	20.79	75.2	25.05	75.0	.0422	.6918	18.30.2	R	9 12 „
18	29.682	21.24	77.9	24.66	76.0	.0496	.6875	18.27.5	R	10 12 „
19	29.339	21.44	79.3	24.61	77.0	.0529	·6870	18.26.9	R	11 12 „
20	29.407	21.39	80.1	24.66	77.9	.0520	·6875	18.27.2	R	Noon.
21	29.476	21.20	80.6	24.66	78.6	.0489	.6875	18.27.6	B	1 12 p. m.
22	29.270	21.08	81.5	24.49	79.5	.0469	.6856	18.27.2	B	2 12 „
23	29.339	20.74	81.8	24.55	80.0	.0414	.6863	18.28.2	B	3 12 „

On the 16th, at about 18h. 30m., Dip as obtained by Observation was 19°05'6.

DAILY OBSERVATIONS, FROM 18TH TO 20TH DECEMBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Dec. 18th-Noon.	29·339	20.34	81°3	24.26	80°3	8.0348	2.6831	18°27·7	B	4 12 p.m.
1	28.790	20.34	80.3	24.36	80.1	·0348	.6842	18.28.1	H	5 12 „
2	28.996	20.22	79.3	24.48	79.4	.0328	.6855	18.29.0	H	6 12 „
3	29.133	20.14	78.6	24.54	78·8	.0315	.6862	18.29.2	H	7 12 „
4	28·996	20.11	78.2	24.57	78·4	.0310	.6865	18.29.6	H	8 12 „
5	28.996	20.07	77.6	24.64	78.0	.0304	.6873	18.30.0	R	9 12 „
6	29.476	20.08	77.0	24.67	77.4	.0305	.6876	18.30.0	R	10 12 „
7	28.996	20.15	76.3	24.71	77.0	.0316	·6881	18.30.0	R	11 12 „
8	28.653	20.09	75.8	24.70	76.6	.0307	.6880	18.30.2	R	Midnight.
9	28.927	20.21	75.6	24.70	76.5	.0327	.6880	18.29.9	B	1 12 a. m.
10	28·584	20.41	75.6	24.77	76.3	.0360	.6887	18.29.8	B	2 12 „
11	28.653	20.39	75.8	24.83	76.2	.0356	.6894	18.30.0	H	3 12 „
12	28.584	20.41	75.6	24.81	76.2	.0360	·6892	18.29.9	H	4 12 „
13	27.967	20·39	75.2	24.77	75.8	.0356	.6887	18.29.8	H	5 12 „
14	27.967	20.36	74.8	24.86	75.2	.0351	.6897	18.30.3	R	6 12 „
15	27.075	20.65	74.7	24.81	75.2	.0398	.6892	18.29.4	B	7 12 „
16	27.898	20.72	75.6	25.01	75.3	.0410	.6914	18.30.2	B	8 12 „
17	29.339	21.18	77.0	25.08	76.0	.0485	.6921	18.29.4	H	9 12 „
18	30.025	21.41	78.4	24.84	76.8	.0524	.6895	18 28.0	H	10 12 „
19	30.025	21.48	79.9	24.78	77.6	.0535	.6888	18.27.5	R	11 12 „
20	30.299	21.15	81.0	24 65	78.7	.0480	.6874	18.27.7	R	Noon.
21	30.299	21.01	81.9	24.57	79.1	.0458	.6865	18.27.6	B	1 12 p. m.
22	28.996	20.74	82.5	24.58	80.0	.0414	.6866	18.28.3	B	2 12 „
23	28.653	21·19	83.0	24.52	80·8	.0487	.6860	18.27.0	H	3 12 „
Dec. 19th-Noon.	28.721	20.45*	82.2	24.37	81.0	.0366	.6843	18.08.0	H	4 12 „
1	28.682	20.13	81.0	24.57	80.5	.0297	.6865	18·29.7	R	5 12 „
2	29.407	20 18	79.6	24.64	79·6	.0305	.6873	18.29.9	R	6 12 „
3	29.613	20.30	79.0	24 69	79.0	.0341	.6878	18·29.7	B	7 12 „
4	28.996	20.45	78.5	24.76	78.5	.0366	.6886	18.29·6	B	8 12 „
5	29.476	20.12	77.6	24·72	78.0	.0311	·6882	18.30.2	H	9 12 „
6	30.368	18.91	77.0	24.69	77.6	.0113	·6878	18.32.7	H	10 12 „
7	32.220	18.77	76.5	25.01	77.0	.0091	·6914	18.34.3	R	11 12 „
8	32.769	17.22	76.2	25.01	76.9	7.9836	·6914	18.37.0	R	Midnight.
9	32.083	17.09	75.8	25.05	76.6	.9815	·6918	18.37.4	B	1 12 a. m.
10	30.642	18.86	75.6	25.02	76.5	8.0105	·6915	18.34.2	B	2 12 „
11	30.368	19.08	75.5	25.09	76.2	.0141	·6922	18.34.0	B	3 12 „
12	30.025	18.99	75.5	25.03	76.0	.0126	·6916	18.33.9	B	4 12 „
13	29.201	18.99	75.5	24.88	76.0	.0126	·6899	18.33.2	H	5 12 „
14	28·035	19·07	75.4	24.99	75.7	.0140	·6911	18.33.6	H	6 12 „
15	26.800	19.44	75.2	25.01	75.5	.0201	·6914	18.32·9	H	7 12 „
16	28.310	19.92	76.0	25.02	75.6	.0278	·6915	18.32.0	H	8 12 „
17	28.653	20.31	77.0	25.08	76.0	.0343	.6921	18.31.4	R	9 12 „
18	30.025	20.48	78.2	24·81	76.9	.0371	.6892	18.29.8	R	10 12 „
19	30.025	20.80	79.9	24.69	78.0	·0423	.6878	18.28.6	R	11 12 „
20	29.339	20.69	81·0	24.42	78.9	·0389	.6848	18.27.9	R	Noon.
21	28.858	20·57	82·3	24.51	79·5	.0386	.6859	18.28.3	B	1 12 p. m.
22	28.927	20.40	82.7	24.65	80.1	.0358	.6874	18.29.2	B	2 12 „
23	29·339	20.16	82.5	24.54	80.5	.0318	.6862	18.29.2	B	3 12 „
Dec. 20th-Noon.	29.613	19.91	81.6	24.67	80.6	.0277	.6876	18.30.2	B	4 12 „
1	29.064	19.92	80.7	24.56	80.4	.0278	.6864	18.29.9	H	5 12 „
2	29.270	19.56	79.5	24.69	79·6	.0220	.6878	18.31.2	H	6 12 „
3	28.858	19.38	78.7	24.62	79.0	.0190	.6871	18.31.3	H	7 12 „
4	28.996	19·37	78.4	24.70	78.4	.0189	.6880	18.31.7	H	8 12 „
5	30.025	19.50	77.5	24.84	78.0	.0210	.6895	18.32.1	R	9 12 „
6	29.682	18.98	77.0	24.92	77.2	.0124	.6904	18.33 5	R	10 12 „
7	30.711	18.95	76.4	25.00	76.8	.0119	.6913	18.33.9	R	11 12 „
8	31.054	19.22	76.5	25.00	76.8	.0164	·6913	18.33.4	R	Midnight.
9	31.740	19.12	76.2	25.06	76.9	.0147	.6919	18.33.7	B	1 12 a. m.
10	31.808	19.41	75.6	24.95	76·5	.0196	.6907	18.32.7	B	2 12 „
11	31.054	19.34	75.5	24.94	76.4	.0184	.6906	18.32.9	B	3 12 „

On the 16th, at about 19h. 30m., Dip as obtained by Observation was 19°00'6.

* A slight Magnetic Disturbance on the 19th instant.

DAILY OBSERVATIONS, FROM 20TH TO 23RD DECEMBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Dec. 20th—12	30·025	19.29	75°1	24.76	76°1	8.0176	2.6886	18°32'1	B	4 12 a. m.
13	28.310	19.35	75·0	24.92	75.7	.0185	.6904	18.32.6	H	5 12 ,,
14	27.692	19.53	74·6	24.96	75·2	.0215	.6908	18.32.4	H	6 12 ,,
15	27·143	19.46	74.2	25.03	75·0	.0204	.6916	18.33.0	H	7 12 ,,
16	28.731	19.61	74.8	24.96	75.2	.0230	.6908	18.32.3	H	8 12 ,,
17	28.310	20.18	76.0	24.96	75.4	.0321	.6908	18.31.1	R	9 12 ,,
18	29.270	20.55	77.8	24.83	76.0	.0382	.6894	18.29.8	R	10 12 ,,
19	29·339	20.73	79.5	24.70	77.1	.0412	.6880	18.28.9	R	11 12 ,,
20	29.476	20.79	80.9	24.64	78·1	.0422	.6873	18.28.4	R	Noon.
21	29.956	20.53	81.8	24.74	78.7	.0379	.6884	18.29.4	B	1 12 p. m.
22	29.956	20.35	82.3	24.84	79.8	.0349	.6895	18.30.2	B	2 12 ,,
23	29.956	20.15	82.0	24·84	80.5	.0316	.6895	18.30.6	B	3 12 ,,
Dec. 22nd-Noon.	29.476	20.84	83.0	24.65	81.5	.0430	.6874	18.28.3	H	4 12 ,,
1	29.133	20.60	82.2	24.63	81.3	.0390	.6872	18.28.7	H	5 12 ,,
2	29.064	20.36	80.6	24.72	80.6	.0351	.6882	18.29.6	H	6 12 ,,
3	29.407	20.24	79.5	24.89	79.6	.0332	.6900	18.30.7	H	7 12 ,,
4	29.476	20.24	79·0	24.93	79.4	.0322	.6905	18.31.0	H	8 12 ,,
5	29.407	20.19	78.0	24.91	79.0	.0323	.6903	18.30.9	R	9 12 ,,
6	29.476	20.22	77.8	24.45	78.2	.0328	.6852	18.28:8	R	10 12 ,,
7	28.996	20.16	77.0	24.74	78.0	.0318	.6884	18.30.1	R	11 12 ,,
8	29.682	20.34	76.6	24.77	77.2	.0348	.6887	18.29.9	R	Midnight.
9	29.956	20.23	76.2	24.93	77·1	.0330	.6905	18.30.9	B	1 12 a. m.
10	29·544	20.20	76.1	24.80	76.7	.0325	.6891	18.30.3	B	2 12 ,,
11	29.476	20.20	76.1	24.70	76.7	.0325	.6880	18.29.9	B	3 12 ,,
12	29.270	20.23	76.1	24.85	76.6	.0330	.6896	18.30.5	B	4 12 ,,
13	28.996	20.28	75.9	24.88	76.6	.0338	.6909	18.30.9	H	5 12 ,,
14	28.996	20.30	75.5	24.84	76.1	.0341	.6895	18.30.4	H	6 12 ,,
15	28.378	20.32	75.3	24.95	75.8	.0344	.6907	18.30 9	H	7 12 ,,
16	28.996	20.67	76.5	25.04	76.2	.0402	.6917	18.30.5	H	8 12 ,,
17	30.368	20.89	77.7	25.15	76.5	.0438	.6929	18.30.4	R	9 12 ,,
18	30.436	21.26	79.0	24.90	77.2	.0499	.6902	18.28.5	R	10 12 ,,
19	29.682	21.33	79.8	24.64	78.0	.0510	.6873	18.27.3	R	11 12 ,,
20	28.515	20.88	81.3	24.57	79.0	.0436	.6865	18.27.9	R	Noon.
21	28.653	21.21	82.8	24.56	80.4	.0491	.6864	18.27.1	B	1 12 p. m.
22	29.064	21.06	83.5	24.53	80.9	.0466	.6861	18.27.3	B	2 12 ,,
23	29.270	20.70	83.3	24.59	81.3	.0407	.6867	18.28.4	B	3 12 ,,
Dec. 23rd-Noon.	29.339	20 57	82.3	24.67	81.5	.0386	.6876	18.28.9	B	4 12 ,,
1	28.858	20.55	82.0	24.63	81.0	.0382	.6872	18.28.9	H	5 12 ,,
2	28.790	20.23	79.9	24 85	80.0	.0330	.6896	18.30.5	H	6 12 ,,
3	29.339	20.16	79.2	24.88	79.4	.0318	.6899	18.30.7	H	7 12 ,,
4	29.201	20.18	78.8	24.92	79.0	.0321	.6904	18.30.9	H	8 12 ,,
5	29.339	20.27	77.9	24.84	78.0	.0337	.6825	18.30.3	R	9 12 ,,
6	28.996	20.26	77.0	24.89	77.9	.0335	.6900	18.30.6	R	10 12 ,,
7	28.996	20.26	77.0	24.96	77.0	.0335	.6908	18.30.9	R	11 12 ,,
8	29.339	20 36	77.0	24.71	77.0	.0351	.6881	18.29.6	R	Midnight.
9	29.201	20.30	76.5	24.83	77.0	.0341	.6894	18.30.3	B	1 12 a. m.
10	29.339	20.38	76.3	24.91	76.9	.0354	.6903	18.30.5	B	2 12 ,,
11	29.064	20.40	75.9	24.90	76.6	.0358	.6902	18.30.3	B	3 12 ,,
12	29.339	20.41	75.6	24.99	76.4	.0360	.6911	18.30.7	B	4 12 ,,
13	28.653	20.44	75.5	24.97	76.2	.0365	.6909	18.30.5	H	5 12 ,,
14	28.310	20.52	75.4	24.88	76.0	.0377	.6899	18.30.0	H	6 12 ,,
15	28.310	20.54	75.2	24.97	75.7	.0381	.6909	18.30.4	H	7 12 ,,
16	28.996	20.67	76.2	25·03	76.0	.0402	.6916	18.30.4	H	8 12 ,,
17	29.682	20.96	77.0	24.78	76.0	.0449	.6888	18.28.6	R	9 12 ,,
18	29.339	21.28	78.5	24.53	76.9	.0502	.6861	18.26.9	R	10 12 ,,
19	28.515	21.56	79.5	24.33	77.7	.0548	.6839	18.25.4	R	11 12 ,,
20	28.310	21.71	81.3	24 27	79.0	.0573	.6832	18.24.9	R	Noon.
21	27.967	21.57	82.0	24.33	79.2	.0550	.6839	18.25.4	B	1 12 p. m.
22	27.418	21.34	82.3	24.36	79.9	.0512	.6842	18.26.1	B	2 12 ,,
23	28.378	21.16	82.5	24.50	80.5	.0482	.6858	18.27.2	B	3 12 ,,

On the 20th, at about 19h. 45m., Deflection Observations were taken.
On the 23rd, at about 19h. 25m., Dip as obtained by Observation was 19°07'2.

DAILY OBSERVATIONS, FROM 25TH TO 27TH DECEMBER 1861.

Date. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1861.
h.										h. m.
Dec. 25th-Noon.	28·378	20.86	81·4	24.58	80·7	8.0433	2.6866	18°28′0	H	4 12 p. m.
1	28.310	20.66	80.5	24.57	80.5	.0400	.6865	18.28.4	H	5 12 „
2	28.790	20.50	79.4	24.69	79.8	.0374	.6878	18.29.3	H	6 12 „
3	28.653	20.48	78.8	24.78	79.4	.0371	.6888	18.29.7	H	7 12 „
4	29.339	20.50	78.6	25.07	79.0	.0374	.6920	18.31.0	H	8 12 „
5	29.064	20.50	78.2	24.99	78.0	.0374	.6911	18.30.6	R	9 12 „
6	29.339	20.53	77.4	25.03	77.8	.0379	.6916	18.30.7	R	10 12 „
7	29.682	20.47	76.5	25.06	77.0	.0370	.6919	18.30.9	R	11 12 „
8	29.270	20.61	75.9	25.00	76.5	.0392	.6913	18.30.4	R	Midnight.
9	29.270	20.64	76.0	25.05	76.5	.0397	.6918	18.30.5	B	1 12 a. m.
10	29.064	20.59	75.8	25.04	76.3	.0389	.6917	18.30.6	B	2 12 „
11	28.858	20.59	75.2	25.08	76.0	.0389	.6921	18.30.7	B	3 12 „
12	28.996	20.70	75.0	25.32	75.5	.0407	.6948	18.31.6	B	4 12 „
13	28.996	20.63	74.6	25.32	75.2	.0395	.6948	18.31.7	H	5 12 „
14	28.790	20.76	74.5	25.25	75.0	.0417	.6940	18.31.1	H	6 12 „
15	27.624	20.74	74.4	25.15	75.0	.0414	.6929	18.30.8	H	7 12 „
16	28.310	20.85	75.0	25.20	75.1	.0431	.6935	18.30.8	H	8 12 „
17	29.476	21.20	76.3	25.24	75.2	.0489	.6939	18.30.1	R	9 12 „
18	29.682	21.57	77.9	25.00	76.0	.0550	.6913	18.28.3	R	10 12 „
19	29.339	21.66	78.8	24.63	76.8	.0564	.6872	18.26.5	R	11 12 „
20	28.653	21.74	80.5	24.45	78.2	.0578	.6852	18.25.6	R	Noon.
21	28.310	21.54	81.6	24.72	79·0	.0545	.6882	18.27.0	B	1 12 p. m.
22	28.515	21.36	81·8	24.77	79.7	.0515	.6887	18.27.7	B	2 12 „
23	28.653	20.18	81.9	24.68	80.1	.0485	.6877	18.27.7	B	3 12 „
Dec. 26th-Noon.	28.584	21.08	81.5	24.72	80.5	.0469	.6882	18.28.1	B	4 12 „
1	28.310	20·92	80.6	24.61	80.3	.0442	.6870	18.28.1	H	5 12 „
2	28.515	20.76	79.5	24.81	79.7	.0417	.6892	18.29.1	H	6 12 „
3	28.927	20.71	79.0	24.83	79.1	.0409	.6894	18.29.4	H	7 12 „
4	28.996	20.73	78.5	24.86	78.7	.0412	.6897	18.29.6	H	8 12 „
5	28.927	20·49	78.0	24.79	78.0	.0373	.6889	18.29.7	R	9 12 „
6	28.996	20.55	77.5	24.74	77·9	.0382	.6884	18.29.4	R	10 12 „
7	28.996	20.47	76.5	24.91	77.0	.0370	.6903	18.30.3	R	11 12 „
8	28·996	20.58	76.0	24.80	76.7	.0387	.6891	18.29.5	R	Midnight.
9	28.996	20.55	75.5	24.89	76·4	·0382	.6900	18.30.1	B	1 12 a. m.
10	28.584	20·66	75.9	24.89	76.4	.0400	.6900	18.29.8	B	2 12 „
11	28.447	20.69	75.5	24.96	76.0	.0405	.6908	18·30.0	B	3 12 „
12	28·447	20.74	75.2	24.96	75.5	.0411	.6908	18.30.0	B	4 12 „
13	28.310	20.80	75.0	24.96	75·4	.0423	.6908	18.29.8	H	5 12 „
14	28.584	20.88	74.6	24.96	75.4	.0436	.6908	18·29.6	H	6 12 „
15	28.584	20.78	74.6	24.95	75.1	.0420	.6907	18.29.8	H	7 12 „
16	29·133	21.00	75.4	24.97	75.1	.0456	.6909	18.29.3	H	8 12 „
17	29.682	21.24	76.5	24.72	75.5	.0496	.6882	18.27·7	R	9 12 „
18	29.682	21.65	78.0	24.43	76.0	.0562	.6850	18.25.8	R	10 12 „
19	28.996	21.78	78.8	24.25	76.6	.0584	.6830	18.24.8	R	11 12 „
20	27.761	21.83	79.9	24.12	77.5	.0592	.6816	18.24.0	R	Noon.
21	27.418	21.75	80.6	24·50	78.0	.0579	.6858	18.25.9	B	1 12 p. m.
22	28·172	21.82	80.6	24.66	78.5	.0541	.6875	18.27.0	B	2 12 „
23	28.790	21.33	80.5	24.75	78.9	.0510	.6881	18.27.6	B	3 12 „
Dec. 27th-Noon.	28.721	21.16	80.0	24.71	79.0	.0482	.6881	18.28·0	B	4 12 „
1	28.584	21.01	79.2	24.71	78.7	.0453	.6881	18.28.2	H	5 12 „
2	28.447	20.79	78.0	24.80	78.4	.0422	.6891	18.29.1	H	6 12 „
3	28.927	20.74	77.7	24.94	78.0	.0414	.6906	18.29·9	H	7 12 „
4	28.996	20.75	77.2	24.98	77.7	.0415	.6910	18.29.9	H	8 12 „
5	29.064	20.65	77.2	24.82	77.2	.0398	·6893	18.29.5	R	9 12 „
6	28.790	20.69	76.9	24.76	76.9	.0405	·6886	18.29.1	R	10 12 „
7	29.339	20.48	76.0	25.09	76.2	.0371	.6922	18·31.0	R	11 12 „
8	28.858	20.43	75.7	24.53	76.0	.0363	·6861	18.28.7	R	Midnight.
9	28.996	20·49	75.5	24.57	75.8	.0373	.6865	18.28.8	B	1 12 a. m.
10	28.653	20·59	75.5	24.59	75.6	.0389	.6867	18.28.6	B	2 12 „
11	28.310	20.64	75.5	24.62	75.6	.0397	.6871	18.28.6	B	3 12 „

On the 26th, at about 19h. 30m., Dip as obtained by Observation was 19°02′2.

DAILY OBSERVATIONS, FROM 27TH TO 30TH DECEMBER 1861.

DATE. Göttingen Mean Time. 1861.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1861.
h.										h. m.
DEC. 27TH—12	28°035	20.77	75°4	24.62	75°6	8.0419	2.6871	18°28'3	B	4 12 a. m.
13	28.310	20.80	75.0	24·66	75.4	·0423	.6875	18.28 5	H	5 12 „
14	28.172	20.85	74.7	24.91	75.4	.0431	.6903	18.29.5	H	6 12 „
15	27·624	20.83	74.7	24.97	75.0	.0428	.6909	18.29.7	H	7 12 „
16	28·653	20.99	75.5	25.06	75.2	.0454	.6919	18.29·8	H	8 12 „
17	29.201	21.08	76.0	24.96	75·3	.0469	.6908	18.29.2	R	9 12 „
18	29.339	21.31	77.3	24.68	75·9	.0507	.6877	18.27.5	R	10 12 „
19	28.584	21.55	78.9	24.31	76.9	.0546	.6837	18.25.4	R	11 12 „
20	28·790	21.42	80.0	24.29	77.8	.0525	.6834	18.25.5	R	Noon.
21	29.544	21.39	80.5	24.40	78·4	.0520	.6847	18.26.2	B	1 12 p. m.
22	29.750	21.25	80.6	24.39	79.0	.0497	.6845	18.26.4	B	2 12 „
23	29.064	21.17	80.6	24.36	79.3	.0484	.6842	18·26.5	B	3 12 „
DEC. 29TH-Noon.	28.790	21.06	78.7	24.67	79.0	.0466	.6876	18.28.0	H	4 12 „
1	28.653	20.87	77.6	24.55	78.4	.0435	.6863	18.27.8	H	5 12 „
2	28.653	20.76	77.0	24·63	77.6	.0417	.6872	18.28.3	H	6 12 „
3	28.996	20.73	76.4	24.70	76.7	.0412	.6880	18.28.9	H	7 12 „
4	28.996	20.69	75.8	24.73	76.0	.0405	·6883	18.29.0	H	8 12 „
5	28.721	20.14	75.2	27.47*	75.5	.0315	.7184	18.41.8	R	9 12 „
6	28.996	20.55	74.7	27·35	75.0	.0382	.7171	18.40.6	R	10 12 „
7	29.339	20.37	74.0	27.34	74.7	.0353	.7170	18.40.9	R	11 12 „
8	29.133	20.56	73.4	27.52	74.0	.0384	.7190	18.41.4	R	Midnight.
9	28.653	20.58	73.5	27.57	74·1	.0387	.7195	18.41·4	B	1 12 a. m.
10	28.310	20.54	73.1	27·52	73.9	.0381	.7190	18.41.4	B	2 12 „
11	28.035	20.57	72.5	27.54	73.4	.0386	.7192	18.41.2	B	3 12 „
12	27.829	20.46.	72·0	27.63	72.8	.0368	.7202	18.41.9	B	4 12 „
13	27·761	20.66	72.0	27.68	72.8	.0400	.7207	18.41.8	H	5 12 „
14	27.898	20.76	72·0	27.68	72.8	·0417	.7207	18.41.5	H	6 12 „
15	27.624	20.79	71.9	27.63	72.6	.0422	.7207	18·41.5	H	7 12 „
16	28.653	21.02	73.0	27.74	73.1	.0459	.7214	18.41.3	H	8 12 „
17	29·339	21.32	74.3	27.71	73.5	.0508	.7211	18.40.5	R	9 12 „
18	30.025	21.41	75·6	27.51	74.0	.0514	.7189	18.39.4	R	10 12 „
19	29.339	21.50	77.2	27.12	75.0	.0538	.7145	18.37.6	R	11 12 „
20	29.270	21.38	78·5	26·96	76.1	.0518	·7128	18.37.1	R	Noon.
21	29.270	21.42	80.2	26.86	77.7	·0525	.7117	18.36.6	B	1 12 p. m.
22	28.241	21.29	81.2	26.66	78.6	.0504	.7095	18.36.1	B	2 12 „
23	28.104	21.23	81.2	26.79	79.0	.0494	.7109	18.36.7	B	3 12 „
DEC. 30TH-Noon.	28.378	21.05	80.2	26.95	79.1	.0464	.7127	18.37.9	B	4 12 „
1	28.447	21.00	79.4	27.12	78.9	.0456	.7146	18.38.6	H	5 12 „
2	28.447	20.84	78.4	27.34	78.0	.0430	.7170	18.39.9	H	6 12 „
3	28·721	20.71	77.3	27.41	77.5	.0407	.7178	18.40.5	H	7 12 „
4	28.927	20.80	77.2	27.52	77.3	.0423	.7190	18.40.8	H	8 12 „
5	28.653	20.72	76.6	27.30	76·8	.0410	.7166	18.40.0	R	9 12 „
6	28.996	20.64	75.5	27.29	76·2	.0397	.7161	18.40.0	R	10 12 „
7	28.653	20.77	75.5	27.28	76.0	.0419	.7163	18.39.7	R	11 12 „
8	28.653	20.69	75.5	27.33	76.0	.0405	.7169	18.40.1	R	Midnight.
9	28.515	20.75	75.1	27.17	75.6	.0415	.7152	18.39.3	B	1 12 a. m.
10	28.584	20.83	74.9	27.17	75.5	.0428	.7152	18.39.2	B	2 12 „
11	28.378	20.83	74.8	27.20	75·2	.0428	.7155	18.39.4	B	3 12 „
12	28.104	20.87	74.3	27.18	74.8	.0435	.7152	18.39.1	B	4 12 „
13	27.967	20.77	73.6	27.27	74.3	.0419	.7162	18.39.6	H	5 12 „
14	28.172	20.94	73.4	27.31	73.8	.0446	.7167	18·39.5	H	6 12 „
15	27.486	21.04	73.3	27.33	73.6	.0463	.7169	18.39.4	H	7 12 „
16	27.281	21.36	74.5	27.42	74.0	.0515	.7179	18.39.0	H	8 12 „
17	28.653	21.51	75.6	27.44	74.5	.0540	.7181	18.38·9	R	9 12 „
18	29.476	21.61	77.0	27.40	75.0	.0556	.7177	18.38·5	R	10 12 „
19	29.476	21.54	78.3	27.13	76.0	·0545	.7147	18.37·5	R	11 12 „
20	28.653	21.60	79.9	26.99	77.3	.0564	.7131	18.36.9	R	Noon.
21	29.544	21·48	80.7	27.02	78.0	.0535	.7135	18.37.2	B	1 12 p. m.
22	28·653	21.23	81.2	26.74	78.7	.0494	.7104	18.36.5	B	2 12 „
23	27.898	21.22	81.5	26.68	79.4	.0492	.7097	18.36.3	B	3 12 „

On the 27nd, at about 19h. 15m., Deflection Observations were taken.
On the 30th, at about 19h. 40m., Dip as obtained by Observation was 19°00'9.

* Vertical Force Magnetometer re-adjusted at this hour.

OBSERVATIONS OF INCLINATION,

1861.

NOTE—*These Observations were taken with a Dip Circle made by Henry Barrow.*

OBSERVATIONS OF INCLINATIONS, 1861.

Made at Bombay about 1 hour before Noon.

Date. Bombay Mean Time.	POLES DIRECT. Face of Needle. Direct.		Reversed.		POLES REVERSED. Face of Needle. Direct.		Reversed.		Mean.	Monthly Mean.
	a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
JAN. 4	18°32'5	18°17'5	17°22'5	18°32'5	20°00'0	19°45'0	20°37'5	20°02'5	19°08'8	
8	18.02.5	18.07.5	18.07.5	18.07.5	20.12.5	19.42.5	20.17.5	20.02.5	19.05.0	
11	18.17.5	17.57.5	18.12.5	18.37.5	20.22.5	20.07.5	19.57.5	19.52.5	19.10.6	
15	18.07.5	17.57.5	18.02.5	18.37.5	20.12.5	19.57.5	20.17.5	19.52.5	19.08.1	
18	18.22.5	18.12.5	18.07.5	18.22.5	20.12.5	19.57.5	20.17.5	19.22.5	19.06.9	19°07'5
22	17.37.5	17.57.5	17.55.0	18.20.0	20.25.0	20.05.0	20.37.5	19.57.5	19.06.9	
25	18.57.5	17.47.5	17.12.5	18.52.5	19.27.5	19.57.5	20.22.5	20.12.5	19.06.2	
29	17.37.5	17.52.5	18.40.0	18.37.5	19.57.5	20.12.5	20.22.5	19.42.5	19.07.8	
FEB. 1	17.57.5	17.32.5	18.22.5	18.57.5	20.32.5	19.52.5	19.45.0	20.17.5	19.09.7	
5	17.57.5	17.25.0	17.52.5	18.42.5	19.42.5	19.57.5	20.37.5	20.22.5	19.04.4	
8	18.35.0	17.35.0	17.47.5	19.27.5	20.17.5	19.42.5	20.07.5	20.12.5	19.13.1	
12	17.52.5	17.17.5	17.57.5	18.32.5	20.35.0	20.05.0	20.25.0	19.45.0	19.03.8	19.08.8
15	18.52.5	17.52.5	16.17.5	17.42.5	20.02.5	20.37.5	21.22.5	20.27.5	19.09.4	
19	17.42.5	17.07.5	17.47.5	17.52.5	20.07.5	20.17.5	20.32.5	20.22.5	18.58.8	
22	18.52.5	17.15.0	18.07.5	18.37.5	19.17.5	19.22.5	22.20.0	20.57.5	19.21.2	
27	18.22.5	17.37.5	18.07.5	18.37.5	20.02.5	20.22.5	21.22.5	18.47.5	19.10.0	
MAR. 1	18.02.5	18.12.5	17.12.5	18.42.5	20.07.5	20.37.5	20.37.5	19.02.5	19.04.4	
5	18.22.5	17.27.5	17.52.5	18.27.5	20.47.5	20.12.5	20.12.5	19.57.5	19.08.8	
8	17.45.0	17.52.5	18.42.5	18.02.5	20.20.0	19.57.5	20.02.5	20.27.5	19.08.8	
12	18.32.5	17.42.5	17.17.5	17.32.5	19.57.5	20.32.5	20.02.5	19.52.5	19.11.2	
15	18.40.0	17.52.5	18.17.5	17.57.5	20.22.5	20.12.5	20.17.5	19.52.5	19.11.9	19.02.7
19	19.12.5	18.22.5	18.22.5	19.22.5	18.12.5	18.35.0	19.12.5	17.52.5	18.39.0	
22	19.35.0	18.42.5	19.12.5	20.25.0	18.12.5	18.32.5	20.12.5	17.37.5	19.03.8	
26	19.22.5	18.22.5	19.07.5	19.22.5	18.32.5	19.27.5	20.42.5	16.12.5	18.53.8	

OBSERVATIONS OF INCLINATIONS, 1861.

Made at Bombay about 1 hour before Noon.

Date. Bombay Mean Time.	POLES DIRECT. Face of Needle. Direct.		Reversed.		POLES REVERSED. Face of Needle. Direct.		Reversed.		Mean.	Monthly Mean.
	a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
APR. 2	19°22′5	18°32′5	19°22′5	19°17′5	19°17′5	19°27′5	20°22′5	17°27′5	19°08′8	
5	19.10.0	18.47.5	19.02.5	20.05.0	19.07.5	19.30.0	19.22.5	17.37.5	19.05.3	
9	19.52.5	17.47.5	18.02.5	19.42.5	19.22.5	19.17.5	20.22.5	18.32.5	19.07.5	
12	19.17.5	17.52.5	19.22.5	20.17.5	17.22.5	19.47.5	20.02.5	17.12.5	18.54.4	19°04′9
16	19.57.5	18.07.5	19.27.5	20.17.5	18.27.5	19.47.5	20.07.5	17.32.5	19.13.1	
19	20.12.5	17.57.5	19.02.5	20.37.5	18.02.5	19.22.5	20.07.5	17.07.5	19.03.8	
23	19.37.5	18.27.5	19.02.5	20.22.5	18.02.5	19.32.5	20.22.5	17.52.5	19.10.0	
26	19.22.5	18.32.5	19.22.5	20.37.5	17.37.5	19.22.5	20.22.5	17.12.5	19.03.8	
30	19.37.5	18.02.5	18.57.5	19.10.0	19.02.5	19.20.0	19.57.5	17.32.5	185.7.5	
MAY 3	19.17.5	18.07.5	19.02.5	19.57.5	18.02.5	19.22.5	20.22.5	17.57.5	19.01.2	
7	19.22.5	18.27.5	19.22.5	20.27.5	18.12.5	19.27.5	20.22.5	17.37.5	19.10.0	
10	20.22.5	18.17.5	19.12.5	19.22.5	18.17.5	19.27.5	20.02.5	18.02.5	19.08.1	
14	19.47.5	18.12.5	19.47.5	19.47.5	18.52.5	18.57.5	20.22.5	17.42.5	19.11.2	19.95.1
17	19.42.5	18.12.5	19.17.5	19.57.5	18.27.5	19.37.5	20.17.5	17.52.5	19.10.6	
21	19.22.5	17.57.5	18.52.5	19.42.5	18.32.5	19.22.5	20.12.5	18.12.5	19.01.9	
28	19.17.5	18.27.5	18.42.5	19.42.5	18.47.5	19.22.5	20.07.5	17.52.5	19.02.5	
31	19.32.5	17.47.5	18.42.5	19.57.5	18.17.5	19.07.5	20.07.5	17.52.5	18.55.6	
JUNE 4	19.32.5	18.02.5	18.52.5	20.02.5	18.22.5	19.17.5	20.07.5	17.57.5	19.01.9	
7	19.17.5	18.22.5	19.17.5	19.47.5	18.37.5	19.22.5	20.17.5	17.52.5	19.06.9	
11	19.12.5	18.27.5	19.07.5	18.37.5	18.07.5	19.22.5	20.27.5	18.22.5	19.05.6	
14	19.12.5	18.12.5	19.27.5	19.37.5	18.22.5	19.27.5	20.22.5	17.37.5	15.02.5	
18	19.32.5	18.07.5	19.07.5	19.37.5	18.12.5	19.17.5	20.17.5	17.52.5	19.00.6	19.02.0
21	19.17.5	18.12.5	19.12.5	19.37.5	18.32.5	19.27.5	20.22.5	17.27.5	19.01.2	
25	19.17.5	17.52.5	18.47.5	19.32.5	18.52.5	19.37.5	20.32.5	17.22.5	18.59.4	
28	19.37.5	17.27.5	19.37.5	19.07.5	18.12.5	19.37.5	20.32.5	17.32.5	18.58.1	
JULY 2	19.22.5	17.52.5	19.32.5	19.17.5	18.27.5	19.32.5	20.32.5	17.47.5	19.03.1	
5	19.27.5	17.42.5	19.43.5	19.27.5	18.17.5	19.27.5	20.42.5	17.27.5	19.01.9	
9	19.22.5	18.32.5	19.17.5	19.17.5	18.32.5	19.37.5	20.42.5	17.32.5	19.06.9	
12	19.17.5	18.02.5	19.27.5	19.17.5	19.02.5	19.42.5	20.42.5	17.27.5	19.07.5	
16	19.22.5	17.57.5	19.12.5	19.37.5	18.17.5	19.42.5	20.42.5	17.52.5	19.05.6	19.05.1
19	19.02.5	18.12.5	19.37.5	19.22.5	19.17.5	19.27.5	20.37.5	17.22.5	19.07.5	
23	19.27.5	17.47.5	19.27.5	19.22.5	19.17.5	19.12.5	20.27.5	18.12.5	19.09.4	
26	19.22.5	18.12.5	19.07.5	19.07.5	18.42.5	19.27.5	20.12.5	18.02.5	19.01.9	
30	19.12.5	17.52.5	18.57.5	19.17.5	19.17.5	19.17.5	20.42.5	17.42.5	19.02.5	
AUG. 2	19.22.5	17.47.5	19.02.5	19.27.5	18.52.5	19.37.5	20.37.5	17.57.5	19.05.6	
6	19.37.5	17.42.5	18.52.5	19.17.5	18.22.5	19.27.5	20.37.5	17.47.5	18.58.1	
9	19.17.5	18.17.5	18.57.5	19.17.5	18.57.5	19.32.5	20.42.5	17.32.5	19.04.4	
13	19.17.5	17.52.5	19.22.5	19.22.5	18.47.5	19.32.5	20.32.5	17.37.5	19.03.1	
16	19.17.5	18.52.5	19.27.5	19.37.5	18.22.5	19.32.5	20.32.5	17.42.5	19.08.1	19.05.8
20	19.22.5	18.02.5	19.27.5	19.22.5	19.12.5	19.22.5	20.27.5	17.47.5	19.08.1	
23	19.17.5	18.42.5	19.17.5	19.22.5	19.12.5	19.27.5	20.22.5	17.37.5	19.10.0	
27	19.22.5	18.52.5	19.12.5	19.22.5	18.32.5	19.32.5	20.22.5	17.42.5	19.07.5	
30	19.27.5	19.12.5	18.37.5	19.07.5	18.32.5	19.22.5	20.27.5	18.12.5	19.07.5	
SEPT. 3	19.07.5	19.22.5	18.57.5	19.02.5	18.27.5	19.22.5	20.17.5	18.17.5	19.06.9	
6	19.22.5	18.27.5	19.32.5	18.47.5	18.52.5	19.37.5	20.27.5	18.27.5	19.11.9	
10	19.22.5	17.57.5	18.47.5	19.17.5	18.32.5	19.27.5	20.42.5	17.52.5	19.00.0	
17	19.22.5	17.37.5	19.07.5	19.37.5	18.40.0	19.35.0	20.22.5	17.47.5	19.01.2	19.03.8
20	19.02.5	17.42.5	19.52.5	19.22.5	18.37.5	19.47.5	20.42.5	17.42.5	19.06.2	
24	19.22.5	18.07.5	18.75.5	18.57.5	18.27.5	19.27.5	20.17.5	17.47.5	18.55.6	
27	19.22.5	18.22.5	19.37.5	19.27.5	18.32.5	19.22.5	20.17.5	17.37.5	19.050	

OBSERVATIONS OF INCLINATIONS, 1861.

Made at Bombay about ½ hour before Noon.

Date. Bombay Mean Time.	POLES DIRECT. Face of Needle. Direct.		Reversed.		POLES REVERSED. Face of Needle. Direct.		Reversed.		Mean.	Monthly Mean.
	a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
Oct. 1	18°57′5	17°32′5	18°25′0	18°40′0	18°22′5	20°02′5	20°40′0	18°42′5	18°55′3	
4	19.25.0	17.42.5	19.00.0	18.52.5	18.40.0	20.27.5	20.35.0	18.30.0	19.09.0	
8	18.55.0	18.42.5	18.45.0	19.07.5	18.37.5	20.32.5	20.05.0	17.47.5	19.04.0	
11	19.12.5	18.20.0	17.17.5	18.50.0	18.30.0	19.15.0	20.05.0	17.55.0	18.40.6	19°04′3
22	19.45.0	23.15.0	24.22.5	20.12.5	15.07.5	18.52.5	17.45.0	16.15.0	19.26.9	
25	21.40.0	23.30.0	24.15.0	19.47.5	14.12.5	18.00.0	16.10.0	16.55.0	19.16.2	
29	22.25.0	24.00.0	24.45.0	19.22.5	16.15.0	14.42.5	15.45.0	14.27.5	18.57.8	
Nov. 1	22.05.0	23.37.5	23.40.0	21.00.0	14.40.0	16.00.0	17.17.5	14.22.5	19.05.3	
6	21.47.5	23.35.0	21.12.5	20.50.0	15.17.5	15.42.5	17.45.0	14.55.0	18.53.1	
8	21.05.0	22.55.0	23.17.5	20.52.5	17.40.0	15.22.5	16.05.0	15.12.5	19.03.8	
12	21.20.0	24.15.0	22.25.0	20.40.0	15.30.0	15.22.5	16.15.0	15.22.5	18.53.8	
15	19.50.0	20.37.5	22.12.5	20.07.5	14.32.5	18.07.5	17.47.5	13.12.5	18.18.4	18.53.5
19	21.37.5	24.32.5	21.22.5	21.02.5	13.22.5	18.12.5	19.02.5	12.52.5	19.00.6	
22	21.20.0	23.45.0	21.07.5	21.57.5	13.45.0	18.12.5	13.27.5	14.22.5	19.07.2	
26	21.02.5	19.25.0	20.42.5	22.00.0	13.27.5	18.22.5	18.40.0	13.57.5	18.27.2	
29	22.47.5	18.15.0	18.37.5	23.27.5	17.25.0	17.45.0	18.37.5	17.45.0	19.12.5	
Dec. 3	21.30.0	18.45.0	18.40.0	22.55.0	17.47.5	18.25.0	18.15.0	18.07.5	19.18.1	
6	21.45.0	17.57.5	18.45.0	22.10.0	17.27.5	18.30.0	18.05.0	18.17.5	19.07.2	
10	21.55.0	17.57.5	17.40.0	22.50.0	17.12.5	18.35.0	18.32.5	17.17.5	19.00.0	
13	21.40.0	17.57.5	17.40.0	22.50.0	17.32.5	18.35.0	18.30.0	17.32.5	19.02.2	
17	21.35.0	18.15.0	17.42.5	22.30.0	17.50.0	18.35.0	18.30.0	17.47.5	19.05.6	1 904.9
20	21.52.5	18.07.5	17.27.5	22.17.5	17.50.0	18.12.5	18.45.0	18.32.5	19.00.6	
24	21.50.0	17.47.5	18.30.0	22.40.0	18.07.5	17.35.0	18.25.0	18.02.5	19.07.2	
27	21.22.5	18.32.5	18.30.0	22.32.5	17.07.5	17.57.5	18.20.0	17.55.0	19.02.2	
31	21.20.0	18.05.0	17.17.5	23.22.5	17.10.0	18.05.0	18.27.5	18.20.0	19.00.9	

DEFLECTION OBSERVATIONS.

OBSERVATION FOR ABSOLUTE DETERMINATIONS OF HORIZONTAL FORCE.

Date and Hour of Göttingen Mean Time, 1861.			Time of one Vibration of A 51 (corrected).	Distance.	Deflected Magnetometer I.				Corresponding Readings.				Absolute Value of X.	LM.
					East Side.		West Side.		Large Horizontal Force.		Small Horizontal Force.			
					North Pole E.	North Pole W.	North Pole E.	North Pole W.	Scale Reading.	Attached Thermometer.	Scale Reading.	Attached Thermometer.		
	D.	H.	s.	Ft.						°		°	E. un.	
JAN.	4	19	4.093	1.1	45.120	5.060	45.040	4.600						
				1.2	40.500	9.620	40.440	9.320	20.95	81.9	14.99	76.1	8.053	0.0825
	11	19	4.093	1.1	45.230	5.200	45.090	4.800						
				1.2	40.630	6.770	40.510	9.490	22.09	77.8	15.62	74.3	8.061	.0824
	25	19	4.098	1.1	45.540	5.300	45.360	4.880						
				1.2	40.840	9.860	40.760	9.620	20.20	79.0	12.46	72.5	8.034	.0825
FEB.	1	19	4.096	1.1	45.580	5.440	45.400	5.020						
				1.2	40.880	9.940	40.840	9.680	20.95	80.5	14.12	75.5	8.048	.0824
	8	19	4.093	1.1	45.300	5.180	45.100	4.760						
				1.2	40.620	9.760	40.540	9.480	21.96	77.8	16.75	74.5	8.057	.0824
	15	19	4.093	1.1	45.500	5.500	45.360	5.080						
				1.2	40.840	10.060	40.780	9.720	22.12	78.8	15.74	75.8	8.063	.0824
	22	19	4.095	1.1	45.250	5.150	45.100	4.800						
				1.2	40.600	9.700	40.575	9.450	21.19	82.1	14.60	77.8	8.051	.0824
MARCH	1	19	4.098	1.1	45.700	5.560	45.560	5.200						
				1.2	41.020	10.140	40.960	9.900	20.76	80.0	13.92	76.5	8.045	.0823
	15	19	4.095	1.1	45.560	5.560	45.400	5.100						
				1.2	40.940	10.040	40.860	9.760	21.24	82.7	15.44	78.6	8.055	.0824
	22	18	4.093	1.1	45.660	5.700	45.560	5.260						
				1.2	41.060	10.200	40.980	9.960	21.73	80.5	15.86	77.5	8.062	.0824
	29	19	4.093	1.1	45.640	5.670	45.600	5.280						
				1.2	41.040	10.250	41.040	9.960	21.23	84.0	15.75	82.1	8.050	.0825
APRIL	5	19	4.094	1.1	45.240	5.220	45.100	4.840						
				1.2	40.060	9.760	40.500	9.500	21.38	84.4	16.13	81.8	8.061	.0824
	12	18	4.095	1.1	45.620	5.640	45.540	5.180						
				1.2	40.940	10.160	40.940	9.920	20.96	86.3	15.21	83.6	8.059	.0823
	19	18	4.096	1.1	45.360	5.360	45.230	4.930						
				1.2	40.720	9.900	40.620	9.600	20.75	87.1	15.51	84.8	8.058	.0823
	26	18	4.097	1.1	45.330	5.330	45.200	4.900						
				1.2	40.750	9.830	40.630	9.610	21.27	86.0	16.01	83.4	8.052	.0823
MAY	3	18	4.097	1.1	45.100	5.120	44.980	4.460						
				1.2	40.400	9.640	40.380	9.400	20.86	86.1	15.60	83.5	8.053	.0823
	10	18	4.099	1.1	45.520	5.540	45.360	5.120						
				1.2	40.860	10.120	40.820	9.840	20.51	87.1	14.93	84.2	8.056	.0822
	17	19	4.099	1.1	45.200	5.220	45.080	4.840						
				1.2	40.560	9.820	40.540	9.540	20.29	87.3	14.48	84.8	8.056	.0822
	24	19	4.099	1.1	44.890	4.910	44.750	4.480						
				1.2	40.220	9.400	40.160	9.200	20.57	90.1	15.52	87.0	8.054	.0822
	31	19	4.096	1.1	45.250	5.350	45.100	4.960						
				1.2	40.600	9.860	40.570	9.590	20.86	87.7	15.56	84.9	8.067	.0822
JUNE	7	19	4.093	1.1	44.900	5.020	44.800	4.600						
				1.2	40.240	9.550	40.250	9.300	20.57	85.2	15.77	82.2	8.075	.0822
	14	19	4.098	1.1	45.100	5.450	45.100	5.100						
				1.2	40.470	9.950	40.500	9.750	20.00	86.6	14.97	83.8	8.086	.0819
	21	19	4.098	1.1	45.570	5.980	45.560	5.590						
				1.2	41.000	10.440	41.000	10.150	20.58	83.5	15.77	81.1	8.084	.0820
	28	18	4.096	1.1	45.150	5.600	45.070	5.200						
				1.2	40.500	10.000	40.470	9.800	20.48	83.5	16.07	80.7	8.098	.0819

OBSERVATIONS FOR ABSOLUTE DETERMINATIONS OF HORIZONTAL FORCE.

Date and hour of Göttingen Mean Time, 1861.			Time of one Vibration of A 51 (corrected).	Distance.	Deflected Magnetometer I.				Corresponding Readings.				Absolute Value of X.	LM.
					East side.		West Side.		Large Horizontal Force.		Small Horizontal Force.			
					North Pole E.	North Pole W.	North. Pole E.	North. Pole W.	Scale Reading.	Attached Thermometer.	Scale Reading.	Attached Thermometer.		
	D.	H.	S.	Ft.						°		°	E. un.	
July.	12	19	4.099	1.1	45.350	5.800	45.220	5.370						
				1.2	40.680	10.250	40.660	10.000	20.75	84.0	15.98	80.9	8.095	0·0818
Aug.	2	19	4.099	1.1	45.000	5.500	44.860	5.130						
				1.2	40.450	9.850	40.250	9.690	20.76	83.6	15.88	81.2	8.097	.0817
	24	19	4.100	1.1	44.850	4.950	44.730	4.470						
				1.2	40.160	9.450	39.890	9.100	20.94	80.8	16.39	78.1	8.062	.0821
Sept.	6	19	4.100	1.1	44.950	5.150	44.850	4.750						
				1.2	40.420	9.620	40.300	9.400	20.79	82.4	16.46	80.1	8.063	.0821
	13	19	4.098	1.1	44.900	5.150	44.760	4.720						
				1.2	40.300	9.640	40.260	9.360	20.82	83.6	16.43	80.2	8.074	.0821
	20	19	4.096	1.1	44.860	5.080	44.840	4.600						
				1.2	40.280	9.540	40.220	9.220	20.51	83.6	15.47	80.1	8.067	.0822
	27	19	4.099	1.1	45.500	5.940	45.430	5.470						
				1.2	40.830	10.310	40.850	10.080	20.70	84.6	15.81	81.9	8.086	.0819
Oct.	4	19	4.099	1.1	45.120	5.540	45.110	5.130						
				1.2	40.470	9.970	40.480	9.700	20.94	81.8	16.03	78.8	8.085	.0819
	11	19	4.100	1.1	45.640	6.050	45.560	5.540						
				1.2	41.000	10.500	40.950	10.150	19.76	85.4	14.50	81.0	8.082	.0819
	18	19	4.095	1.1	45.150	5.400	45.150	4.900						
				1.2	40.520	9.850	40.540	9.560	21.36	82.7	16.28	79.3	8.072	.0822
	25	19	4.099	1.1	45.800	5.920	45.750	5.470						
				1.2	41.150	10.450	41.170	10.150	19.67	84.9	14.26	81.0	8.058	.0821
Nov.	8	19	4.095	1.1	44.580	5.000	44.710	4.510						
				1.2	40.120	9.500	40.140	9.190	21.15	81.4	14.60	76.6	8.079	·0821
	15	19	4.094	1.1	45.400	5.660	45.320	5.200						
				1.2	40.740	10.180	40.750	9.850	21.17	82.4	15.72	77.7	8.082	.0821
	22	20	4.095	1.1	45.130	5.700	45.410	5.190						
				1.2	40.820	10.220	40.850	9.900	21.15	82.3	15.05	75.9	8.075	·0822
	29	19	4.096	1.1	45.590	5.790	45.470	5.300						
				1.2	40.950	10.250	40.910	9.950	21.39	81.0	15.37	75.0	8.070	.0822
Dec.	6	19	4.100	1.1	45.540	5.640	45.440	5.220						
				1.2	40.900	10.140	40.880	9.860	20.88	80.9	13.88	75.3	8.055	.0822
	13	19	4.098	1.1	45.950	6.110	45.910	5.650						
				1.2	41.300	10.640	41.339	10.350	21.62	79.5	14.59	73.5	8.064	.0822
	20	19	4.096	1.1	45.720	5.870	45.600	5.360						
				1.2	41.070	10.380	41.060	10.000	20.79	80.1	13.60	74.7	8.065	.0822
	27	19	4.098	1.1	45.557	5.700	45.500	5.240						
				1.2	40.960	10.250	40.940	9.800	21.750	78.9	15.15	72.5	8.057	.0822

BOMBAY GOVERNMENT OBSERVATORY.

TERM-DAY OBSERVATIONS.

1861.

33*—1861.

TERM-DAY OBSERVATIONS, ON THE 23RD OF JANUARY 1861.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	25'189	25'120	25'394	25'394	24'846	24'707	25'051	26'825	26'492	25'737	24'886	25'189
5 0	25.257	25.120	25.493	25.326	25·394	24.639	24.983	26·972	26.492	25·600	24.846	25.189
10 0	25.257	25.189	25.493	25.120	25.669	24·502	24.983	27.178	26.355	25.463	24.707	25.257
15 0	25.326	25.189	25.532	25.120	25.463	24.707	25.189	27·247	26.255	25.326	24.846	25.257
20 0	25.257	25.257	25·189	24.983	25·189	24.846	25.326	27.247	26.286	25.189	24.983	25.257
25 0	25.189	25.326	25.326	24.846	25.326	24·846	25.394	27.178	26.286	24·983	24.983	25.189
30 0	25.189	25.394	25·875	24·846	25.463	24.776	25.394	27.178	26.012	24.914	24.983	25.189
35 0	25.257	25.394	25.189	24.914	25.257	24.776	25.600	26.972	25.943	24.914	25.051	25.189
40 0	25.189	25.394	25.326	25.051	25.120	24.846	25.875	26.561	26.012	24.846	25.120	25.189
45 0	25.051	25.463	25.600	24.914	24.914	24.914	26.080	26.698	25.943	24.776	25.120	25.189
50 0	25.051	25.463	25.463	25.189	24.707	24.914	26.286	26.698	25.875	24.707	25.189	25.189
55 0	25.189	25.463	25·187	24.914	24.707	24.983	26.561	26.629	25.669	24.776	25.189	25.189

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	21·67	21·82	21.68	21·55	21.58	21.35	21.70	21.79	21.80	21.89	21.45	21.20
7 0	21.72	21.83	21.10	21.70	21.70	21·38	21.70	21.81	21.83	21.80	21.44	21.15
12 0	21.75	21.81	21.50	21.60	21.77	21.38	21.70	21·83	21.90	21·80	21.42	21.15
17 0	21.80	21.82	21.20	21.50	21.85	21.40	21.69	21.82	21.90	21·79	21.42	21.07
22 0	21.78	21.84	21.60	21.50	21.90	21.42	21.70	21·80	21.88	21.80	21.40	21.00
27 0	21.77	21.83	21·65	21.49	21.98	21.45	21.68	21·80	21.87	21.79	21.39	20.95
32 0	21.79	21.81	21.57	21.40	22.05	21.50	21.66	21.85	21.85	21.78	21.39	20.88
37 0	21.81	21.79	21.67	21.44	22.10	21.54	21.67	21.86	21.80	21.70	21.33	20·85
42 0	21.83	21.80	21.60	21.37	22.15	21.56	21.69	21.87	21.74	21.63	21·32	20.85
47 0	21·84	21.78	21.67	21.34	22.25	21.58	21.72	21.89	21.77	21.55	21.29	20.88
52 0	21.86	21.77	21.60	21.36	22·40	21.58	21.73	21.85	21.75	21.54	21.29	20.87
57 0	21.84	21.71	21.65	21.37	22.40	21.66	21.76	21.78	22.00	21.49	21.23	20.85
Therm.	71°7	71°1	71°2	71°3	71°0	71°0	71°8	72°9	74°3	75°8	77°2	78°5

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	9.15	9.20	9.35	9.35	9.40	9.40	9.56	9.64	9.22	8.68	8.60	8.60
8 0	9.20	9.22	9·40	9.30	9.41	9.43	9·58	9.65	9.15	8.66	8.60	8·61
13 0	9.22	9.22	9.40	9.30	9.40	9.45	9.58	9.65	9.10	8.60	8.60	8.65
18 0	9 25	9.22	9·36	9·28	9.40	9.48	9.60	9.64	9.02	8.60	8.60	8·61
23 0	9.24	9.22	9.34	9.30	9.40	9·50	9.62	9.60	9.01	8.58	8.60	8·60
28 0	9·22	9.25	9.34	9.32	9·40	9.50	9.62	9.57	9.00	8.58	8.60	8.60
33 0	9.22	9.27	9.34	9.33	9.40	9·50	9.65	9.52	9.00	8·54	8.60	8·60
38 0	9.20	9.28	9.34	9.35	9.39	9.50	9.66	9.42	8.99	8.53	8.60	8.58
43 0	9.18	9.28	9.33	9.36	9.39	9.50	9.68	9.35	8.93	8.57	8.60	8.54
48 0	9.18	9.28	9.33	9.35	9.38	9.50	9.65	9.32	8.88	8.60	8·61	8.50
53 0	9.18	9.28	9·33	9.30	9.38	9.50	9.62	9.31	8.82	8.60	8.60	8.50
58 0	9·20	9.30	9.33	9.40	9·38	9.56	9.63	9.28	8.73	8.60	8.60	8.52
Therm.	72°5	72°4	72°2	72°0	71°8	71°5	71°7	72°1	72°7	73°8	75°0	76°0

TERM-DAY OBSERVATIONS, ON THE 23RD OF JANUARY 1861.

LARGE DECLINATION MAGNETOMETER *(in Arc)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	25′189	27′384	25′737	26′875	26′698	26′012	26′561	26′835	27′247	29′442	29′716	29′716
5 0	25.257	27.933	25.806	26.286	26·561	25 875	26.561	26.835	27.109	29.442	30.128	29.373
10 0	25·189	28·550	25.806	26.218	26.561	26.218	26.561	26.629	27.864	28.619	29.991	28.962
15 0	24.983	28.344	25.806	26.423	26.561	26·218	26.629	26.698	27.315	29.167	30.128	28.619
20 0	24.914	28.207	26.080	26.629	26·561	26.561	26.629	26.766	26·904	29.373	30.128	28.550
25 0	25.051	27.590	26.423	26.629	26.561	26.561	26.629	26.766	27.452	29.373	30.334	28.550
30 0	25.189	27.109	26.286	27.375	26·492	26.492	26.698	26.698	27.452	28.824	30.334	27.933
35 0	25.600	26·904	26.286	27.658	25.943	26.561	26.698	26.766	27.727	28.481	30.539	27.590
40 0	26.355	26.561	26.218	27.315	25.806	26.561	26.629	26.766	27.795	28.962	30·677	26.904
45 0	26.766	25.943	26.423	27.384	25.875	26.561	26.627	26.904	28.276	29.510	30.745	26.904
50 0	27.247	25.600	26.561	27.178	25.875	26.561	26·904	26.972	28.850	29.922	30.745	26.904
55 0	27.315	25.326	26.561	26.698	26.286	26.561	26·972	27.109	28.962	29.648	30.334	26.698

LARGE HORIZONTAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	20.85	19.56	20.32	20.11	19.00	18.75	19.10	20.07	19.80	19.32	19.91	19.20
7 0	20.80	19.55	20.44	20.10	18.90	18.95	19.06	20.10	19·46	19.18	19.98	19.20
12 0	20.78	19.60	20.27	20.00	18.80	18.95	19.08	20.00	19.35	19.27	19.95	19.20
17 0	20.76	19.65	20·50	19.90	18.67	19.00	19.07	19.95	19.18	19.05	19.95	19.20
22 0	20.92	19.81	20.52	20.10	18.33	19.20	19.12	19.92	19.28	19.29	19.93	19.19
27 0	21.15	19.81	20.18	19.56	18.25	19.30	19.25	19.88	19.24	19.66	19.92	19.19
32 0	21.10	19.90	20.29	19.55	18.15	19.40	19.40	20.00	19.29	19.80	19.92	19.19
37 0	20.80	19.91	20.19	19.43	18.00	19.40	19.55	20.15	19.37	19.85	19 80	19.40
42 0	20.42	19.98	20.08	19.45	18.07	19.42	19.65	20.21	19.37	19.49	19.68	19.60
47 0	20.16	19.92	20.04	19.39	18.07	19.36	19.68	20.15	19.31	19.37	19.58	19.90
52 0	20.03	19.93	20.02	19.29	18.20	19.30	19.82	20.00	19.40	19.56	19.40	20.30
57 0	19.75	20.13	20.00	19.10	18.63	19.20	19.95	19.85	19.30	19·68	19.30	20.34
Therm.	80°2	80°9	80°9	80°2	78°7	77°8	77°0	76°1	75°4	74°8	74°0	73°8

VERTICAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	8.50	8.98	8.60	8.72	8.83	8.45	8.80	8.88	9.12	9.23	9.20	9.10
8 0	8.52	9.05	8.62	8.70	8.93	8.45	8.82	8·88	9.16	9.12	9.20	9.00
13 0	8.55	9.00	8.75	8.75	8.94	8.60	8.82	8.92	9.05	9.15	9.20	9.00
18 0	8.54	8.90	8.68	8.80	8·95	8.60	8.82	8.95	9.00	9.25	9.20	8.90
23 0	8.52	8.80	8.72	8.83	9.00	8.70	8.80	8.97	9.00	9.20	9.20	8.90
28 0	8.55	8.78	8.75	8.90	9.00	8.70	8.80	8.96	9.00	9.10	9.20	8.85
33 0	8.62	8.72	8.75	8.95	8.97	8.70	8.82	8.94	8.96	8.95	9.20	8.80
38 0	8.76	8.70	8.73	8.99	8.90	8.75	8.84	8.97	9.00	9.00	9.20	8.80
43 0	8.90	8.62	8.75	8.97	8.80	8.80	8.84	9.06	9.08	9.30	9.20	8.70
48 0	8.95	8.52	8.75	8.90	8.90	8.82	8.84	9.10	9.12	9.23	9.20	8.80
53 0	8.98	8.52	8.77	8.88	8.90	8·82	8.86	9.16	9.12	9.18	9.15	8.80
58 0	8.98	8.52	8.73	8.85	8.90	8.80	8.88	9.18	9.20	9.12	9.10	8.90
Therm.	77°4	78°5	79°1	79°1	78°0	77°2	76°6	76°1	75°8	75°0	74°8	74°2

TERM-DAY OBSERVATIONS, ON THE 22ND OF FEBRUARY 1861.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	26.355	26.218	26.080	25.600	26.561	25.875	26.218	26.698	26.218	25.532	24.502	24.639
5 0	26.561	26.218	25.943	25.669	26.423	25.943	26.218	26.698	26.286	25.532	24.570	24.639
10 0	26.629	26.218	25.943	25.532	26.286	26.012	26.492	26.629	26.218	25.326	24.639	24.707
15 0	26.698	26.080	26.080	25.532	26.218	26.080	26.904	26.561	26.080	25.120	24.707	24.776
20 0	26.629	25.875	26.080	25.600	26.149	26.149	26.698	26.492	25.943	24.914	24.776	24.707
25 0	26.629	25.875	25.943	25.737	26.080	26.218	26.766	26.355	25.943	24.846	24.846	24 639
30 0	26.492	25.875	25.875	25.806	25.875	26.423	26.766	26.355	25.943	24.846	24.983	24.639
35 0	26.355	25.875	25.875	25.806	25.875	26.561	26.561	26.355	25.875	24.776	25.051	24.707
40 0	26.355	26.012	25.943	25.875	25.669	26.561	26.561	26.355	25.875	24.432	25.120	24.707
45 0	26.355	26.080	25.943	25.875	25.532	26.629	26.629	26.355	25.875	24.363	25.051	24.639
50 0	26.355	26.149	25.943	26.080	25.600	26.561	26.698	26.355	25.875	24.432	24.914	24.707
55 0	26.286	26.080	25.737	26.218	25.737	26.355	26.698	26.355	25.737	24.432	24.707	24.707

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	20.53	20.55	20.75	20.73	20.75	20.97	21.25	21.25	21.30	21.38	21.19	21.02
7 0	20.55	20.58	20.75	20.75	20.79	20.99	21.28	21.22	21.27	21.38	21.17	21.01
12 0	20.58	20.60	20.76	20.75	20.80	21.00	21.30	21.22	21.29	21.38	21.15	20.99
17 0	20.60	20.63	20.76	20.77	20.82	21.02	21.30	21.22	21.31	21.38	21.12	20.98
22 0	20.60	20.65	20.75	20.78	20.82	21.05	21.25	21.22	21.31	21.37	21.11	20.96
27 0	20.60	20.66	20.77	20.80	20.84	21.07	21.24	21.22	21.34	21.39	21.09	20.95
32 0	20.58	20.68	20.77	20.80	20.85	21.13	21.20	21.23	21.36	21.40	21.08	20.95
37 0	20.55	20.70	20.76	20.82	20.87	21.15	21.20	21.23	21.37	21.40	21.05	20.94
42 0	20.53	20.70	20.80	20.76	20.88	21.15	21.20	21.23	21.37	21.38	21.04	20.92
47 0	20.53	20.70	20.79	20.72	20.89	21.17	21.20	21.23	21.36	21.38	21.06	20.90
52 0	20.52	20.70	20.77	20.69	20.91	21.20	21.20	21.27	21.36	21.30	21.03	20.89
57 0	20.54	20.70	20.74	20.75	20.93	21.23	21.22	21.29	21.38	21.25	21.02	20.87
Therm.	78°5	78°0	78°0	77°6	76°3	76°1	76°5	78°5	80°0	81°2	82°1	82°9

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	7.50	7.48	7.50	7.50	7.52	7.43	7.60	7.30	7.20	6.92	7.18	7.24
8 0	7.50	7.44	7.52	7.50	7.55	7.46	7.55	7.28	7.22	6.92	7.20	7.24
13 0	7.50	7.42	7.52	7.50	7.53	7.48	7.50	7.27	7.22	6.92	7.24	7.26
18 0	7.48	7.40	7.52	7.48	7.49	7.48	7.44	7.27	7.20	6.92	7.29	7.27
23 0	7.48	7.40	7.50	7.48	7.47	7.49	7.42	7.27	7.18	6.92	7.29	7.29
28 0	7.48	7.40	7.50	7.46	7.45	7.50	7.40	7.27	7.15	6.92	7.30	7.30
33 0	7.49	7.40	7.48	7.45	7.45	7.52	7.40	7.25	7.12	6.92	7.28	7.28
38 0	7.49	7.40	7.48	7.45	7.45	7.52	7.40	7.22	7.10	6.95	7.26	7.28
43 0	7.49	7.40	7.48	7.45	7.44	7.50	7.40	7.20	7.06	6.98	7.26	7.29
48 0	7.49	7.45	7.48	7.45	7.44	7.51	7.40	7.20	7.02	7.02	7.25	7.30
53 0	7.49	7.50	7.48	7.48	7.43	7.54	7.39	7.20	6.98	7.10	7.25	7.32
58 0	7.49	7.50	7.50	7.52	7.44	7.58	7.34	7.20	6.95	7.18	7.25	7.28
Therm.	79°1	78°6	78°1	78°1	77°6	77°4	77°2	78°0	78°8	79°7	80°3	81°0

TERM-DAY OBSERVATIONS, ON THE 22ND OF FEBRUARY 1861.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	24'707	24'090	24'502	24'707	24'707	25'189	25'463	25'532	25'737	25'600	25'737	25.875
5 0	24.570	24.159	24.776	24.776	24.707	25.326	25.532	25·532	25.806	25.669	25.737	25.806
10 0	24.502	24.159	24.776	24.776	24.707	25.394	25.532	25.463	25.737	25.669	25.737	25.875
15 0	24.502	24.226	24.914	24.776	24.776	25.463	25.532	25.394	25.737	25.600	25.806	25.737
20 0	24.502	24.226	24.846	24.707	24.776	25.463	25.532	25.326	25.669	25.600	25.806	25.806
25 0	24.502	24.226	24.846	24.707	24.707	25.394	25.532	25.326	25.737	25.737	25.875	25.806
30 0	24.432	24.226	24.914	24.639	24.776	25.257	25.532	25.394	25.669	25.806	25.875	25.875
35 0	24.363	24.226	24.914	24.639	24.776	25.326	25.532	25.532	25.669	25.943	25.806	25.806
40 0	24.295	24.432	24.914	24.639	24.776	25.394	25.600	25.532	25.600	25.943	25.737	25.806
45 0	24.159	24.502	24.914	24.639	24.846	25.326	25.600	25.532	25.600	25.943	25.875	25.806
50 0	24.021	24.502	24.914	24.707	24.983	25.463	25.600	25.532	25.600	25.875	25.806	25.806
55 0	24.090	24.502	24.846	24.707	25.120	25.394	25.532	25.669	25.600	25.875	25.875	25.875

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	20.84	20.56	20.45	20.41	20.31	20.25	20.28	20.35	20.38	20.41	20.55	20.62
7 0	20.80	20.56	20.45	20.37	20.30	20.24	20.28	20.35	20.40	20.43	20.55	20.61
12 0	20.75	20.55	20.44	20.35	20.31	20.26	20.28	20.37	20.40	20.42	20.56	20.58
17 0	20.74	20.53	20.44	20.34	20.32	20 26	20.27	20.38	20.40	20.42	20.55	20·60
22 0	20.72	20.48	20.45	20.38	20.30	20.25	20.27	20.36	20.39	20.40	20.57	20·62
27 0	20·68	20·46	20.45	20.36	20.29	20.25	20.26	20.36	20.42	20.44	20.56	20.63
32 0	20 65	20·45	20.44	20.34	20.28	20.24	20.26	20.35	20.44	20.46	20.56	20.65
37 0	20 64	20 45	20.44	20.34	20.28	20.23	20.25	20.35	20.44	20.54	20.58	20.63
42 0	20.65	20.45	20.45	20.32	20.26	20.25	20.27	20.35	20.42	20·58	20.59	20.62
47 0	20.63	20.45	20.45	20.32	20.27	20·27	20.32	20.35	20.42	20.58	20.60	20·64
52 0	20.59	20.45	20.45	20.32	20.26	20.28	20.32	20.35	20.42	20.55	20.60	20.63
57 0	20.56	20.45	20.42	20.30	20.25	20.27	20.34	20.35	20.41	20.54	20.61	20.63
Therm.	83°4	83°6	83°6	83°2	82°2	81°4	81°0	80°5	79°8	79°1	78°8	78°5

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	7.29	7.20	7.22	7.26	7.30	7.48	7.42	7.30	7.60	7.70	7.70	7.70
8 0	7.30	7.20	7.20	7.26	7.33	7.47	7.40	7.35	7.60	7.72	7.70	7.71
13 0	7.30	7.20	7.20	7.25	7.37	7.48	7.40	7.44	7.60	7.72	7.68	7.72
18 0	7.30	7.20	7.22	7.26	7.40	7.47	7.40	7.50	7.60	7.71	7.68	7.70
23 0	7.30	7·20	7.25	7.26	7.44	7.46	7.40	7.58	7·60	7.73	7.69	7.68
28 0	7.28	7.20	7.28	7.25	7.46	7.45	7·36	7.62	7.60	7.72	7.70	7.67
33 0	7.25	7·20	7.28	7.27	7.47	7.45	7.35	7.61	7.60	7.72	7.68	7.68
38 0	7.21	7.20	7.28	7.28	7.48	7.46	7.35	7.60	7.62	7.70	7.70	7.70
43 0	7.20	7.20	7·26	7.28	7.50	7.45	7.35	7.60	7.65	7.70	7.71	7.71
48 0	7.20	7.20	7.26	7.30	7.49	7.46	7.35	7.60	7.65	7.70	7.69	7.71
53 0	7.20	7.20	7.25	7·30	7.48	7.46	7.35	7.60	7.65	7.70	7.70	7.73
58 0	7.20	7.22	7·26	7.30	7.48	7.44	7.30	7.60	7.68	7.72	7.70	7.73
Therm.	82°0	82°2	82°7	82°9	82°5	81°9	81°5	81°0	80°5	80°3	79°9	79°7

TERM-DAY OBSERVATIONS, ON THE 20TH OF MARCH 1861.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	26'149	26'355	25'943	26'149	27'041	27'384	28'001	27'933	27'041	25'737	24'570	24'846
5 0	26.492	26.286	25.943	25.943	26.972	27.555	28.070	27.933	26.972	25.600	24.570	24.914
10 0	26.698	26.355	26.561	26.355	26.355	27.668	28.070	27.864	26.972	25.532	24.570	25.051
15 0	25.944	25.806	26.218	26.629	26.423	27.247	28.070	27.795	26.904	25.326	24.502	25.257
20 0	26.492	26.286	26.561	26.972	26.492	27.315	28.070	27.727	26.835	25.120	24.570	25.326
25 0	26.218	26.080	25.875	25.875	26.972	27.590	28.070	27.590	26.561	25.051	24.570	25.257
30 0	26.149	26.080	26.012	26.972	26.835	27.590	28.207	27.521	26.492	24.846	24.570	25.257
35 0	26.080	26.218	26.218	26.183	27.041	27.590	28.207	27.521	26.492	24.776	24.639	25.326
40 0	26.561	26.012	26.149	26.492	27.041	27.668	28.138	27.432	26.423	24.639	24.570	25.463
45 0	26.492	26.286	26.355	26.972	27.109	27.727	28.070	27.432	26.149	24.639	24.707	25.532
50 0	26.218	26.355	26.286	26.698	26.835	27.933	28.001	27.315	25.875	24.639	24.639	25.600
55 0	26.218	26.286	25.875	26.972	26.629	27.864	28.001	27.315	25.875	24.776	24.776	25.669

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	20.39	20.47	20.56	20.52	20.63	20.83	21·10	21.35	21.54	21.53	21.32	20.95
7 0	20.45	20.50	20.55	20.50	20.65	20.90	21.10	21.37	21.54	21.54	21.30	20.90
12 0	20.47	20.50	20.47	20.56	20.65	20.87	21.11	21.36	21.55	21.53	21.26	20.84
17 0	20.37	20.48	20.48	20.51	20.68	20.85	21.15	21.39	21.54	21.50	21.24	20.76
22 0	20.40	20.46	20.50	20.51	20.69	20.90	21.16	21.40	21.54	21.44	21.19	20.75
27 0	20.38	20.43	20.47	20.51	20.70	20.93	21.19	21.41	21.56	21.41	21.15	20.74
32 0	20.40	20.46	20.48	20.54	20.71	20.95	21.20	21.45	21.55	21.35	21·15	20.70
37 0	20.43	20.50	20.46	20.59	20.77	20.97	21·20	21.46	21.55	21.35	21.10	20.60
42 0	20.44	20.47	20.50	20.55	20.78	21.00	21.22	21.48	21.56	21·35	21.05	20.58
47 0	20.42	20.50	20.50	20.58	20.80	21.02	21.25	21.51	21.52	21.36	21.08	20.55
52 0	20.45	20.55	20.50	20.59	20.80	21.09	21.28	21.54	21.49	21.34	21·10	20.50
57 0	20.43	20.55	20.48	20.59	20.83	21.05	21.33	21.54	21.50	21.35	21.00	20.45
Therm.	79°4	79°2	79°0	78°8	78°5	78°9	79°5	80°4	81°1	82°2	82°9	83°5

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	8.15	8.12	8.12	8.22	8.30	8.26	8.22	8.10	7.88	7.80	7.92	8.09
8 0	8.10	8.14	8.15	8.25	8.27	8.30	8.20	8.06	7.87	7.78	7.96	8.10
13 0	8.12	8.10	8.18	8.25	8.22	8.30	8·20	8.03	7.85	7.78	8.00	8.12
18 0	8.14	8.08	8.19	8.22	8.30	8.30	8.20	8.00	7.85	7.78	8.01	8.18
23 0	8.16	8.10	8·20	8.20	8.27	8.30	8.18	8.00	7.82	7.80	8.01	8·18
28 0	8.15	8·12	8.19	8.18	8.25	8.28	8.18	8.00	7.80	7.80	8.02	8.16
33 0	8.17	8.10	8.15	8.18	8.28	8·30	8.20	7.93	7.78	7.80	8.05	8.14
38 0	8.17	8·10	8.15	8.25	8.30	8·27	8.22	7.95	7.80	7.82	8.07	8.10
43 0	8.18	8.08	8.15	8.25	8.30	8.27	8.20	7.94	7·80	7.82	8.06	8.12
48 0	8·16	8.10	8.22	8·25	8.28	8.25	8.20	7.92	7.80	7.82	8·08	8.19
53 0	8.14	8·12	8.20	8.25	8.30	8.25	8.18	7.90	7.80	7.85	8.08	8.10
58 0	8.12	8.15	8.22	8.27	8.30	8.25	8.14	7.88	7.80	7.88	8.08	8.10
Therm.	80°8	80°2	80°1	80°0	79°7	79°5	79°8	80°2	80°8	81°7	82°5	82°9

TERM-DAY OBSERVATIONS, ON THE 20TH OF MARCH 1861.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	25.669	26.423	26.629	25.532	25.532	26.012	26.218	26.080	25.943	26.080	26.012	26.218
5 0	25.875	26.492	26.629	25.463	25.532	26.114	26.218	26.012	25.943	26.080	26.080	26.355
10 0	25.875	26.561	26.423	25.394	25.532	26.149	26.252	26.012	26.012	26.012	26.149	26.423
15 0	26.080	26.561	26.355	25.326	25.532	26.149	26.286	26.012	26.012	26.012	26.218	26.355
20 0	26.218	26.492	26.286	25.463	25.600	26.149	26.286	26.012	26.080	25.080	26.218	26.080
25 0	26.286	26.561	26.149	25.394	25.600	26.149	26.286	26.080	26.012	26.080	26.080	26.355
30 0	26.355	26.629	26.080	25.257	25.669	26.149	26.218	26.080	25.943	25.943	26.012	26.286
35 0	26.286	26.629	26.218	25.463	25.737	26.080	26.218	26.080	25.943	25.943	25.875	26.286
40 0	26.355	26.698	26.149	25.394	25.806	26.012	26.286	26.012	25.943	25.943	26.286	26.286
45 0	26.355	26.698	25.943	25.532	25.806	26.114	26.286	26.149	25.943	25.943	26.218	26.355
50 0	26.423	26.698	25.669	25.497	25.875	26.183	26.218	26.012	25.943	25.943	26.423	25.875
55 0	26.355	26.629	26.600	25.532	25.943	26.183	26.149	25.943	26.012	26.012	26.218	26.080

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	20.43	20.01	19.86	19.90	19.98	20.13	20.14	20.19	20.24	20.30	20.50	20.55
7 0	20.38	19.99	19.85	19.90	20.01	20.14	20.14	20.18	20.25	20.35	20.50	20.46
12 0	20.35	19.97	19.86	19.90	20.05	20.17	20.20	20.15	20.27	20.40	20.47	20.50
17 0	20.28	19.94	19.84	19.91	20.05	20.17	20.15	20.16	20.26	20.43	20.45	20.53
22 0	20.24	19.95	19.84	19.93	20.10	20 20	20.17	20.16	20.24	20.45	20.45	20.54
27 0	20.20	19.97	19.85	19.96	20.06	20.21	20.21	20.15	20 24	20.48	20.45	20.53
32 0	20.16	19.96	19.83	19.95	20.07	20.22	20.20	20.18	20.22	20.52	20.45	20.53
37 0	20.14	19.95	19.78	19.91	20.10	20.20	20.20	20.20	20.23	20.54	20.42	20.57
42 0	20.10	19.95	19.80	19.93	20.10	20.20	20.21	20.20	20.24	20.52	20.43	20.51
47 0	20.08	19.92	19.84	19.93	20.10	20.17	20.23	20.20	20.26	20.53	20.45	20.55
52 0	20.07	19.93	19.87	20.00	20.12	20.22	20.25	20.22	20.25	20.54	20.48	20.53
57 0	20.04	19.95	19.89	19.96	20.10	20.14	20.22	20.23	20.28	20.52	20.46	20.50
Therm.	83°6	83°3	83°4	83°0	82°0	81°2	81°0	80°7	80°5	80°5	80°1	79°9

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	8.11	8.10	7.93	7.74	7.96	8.02	8.10	8.00	8.08	8.15	8.19	8.18
8 0	8.12	8.09	7.92	7.72	7.98	8.00	8.08	8.00	8.08	8.16	8.18	8.20
13 0	8.14	8.08	7.90	7.70	8.00	8.02	8.10	8.00	8.10	8.16	8.20	8.19
18 0	8.18	8.07	7.89	7.75	8.00	8.00	8.06	8.02	8.10	8.16	8.20	8.20
23 0	8.24	8.05	7.88	7.76	8.00	8.00	8.05	8.02	8.12	8.18	8.18	8.20
28 0	8.20	8.01	7.86	7.78	8.00	8.00	8.00	8.02	8.12	8.16	8.15	8.20
33 0	8.20	8.00	7.84	7.79	8.00	8.00	8.02	8.04	8.12	8.14	8.18	8.19
38 0	8.18	8.00	7.83	7.80	8.00	8.03	8.02	8.04	8.10	8.14	8.18	8.19
43 0	8.17	7.92	7.80	7.83	8.00	8.05	8.02	8.02	8.10	8.16	8.17	8.20
48 0	8.14	7.90	7.75	7.85	8.00	8.05	8.02	8.00	8.10	8.18	8.16	8.22
53 0	8.15	7.90	7.70	7.88	8.00	8.05	8.04	8.00	8.12	8.20	8.15	8.23
58 0	8.09	7.95	7.73	7.95	8.00	8.05	8.02	8.06	8.14	8.20	8.16	8.22
Therm.	83°5	83°9	84°2	84°1	83°3	82°8	82°0	81°7	81°5	81°2	81°1	80°7

TERM-DAY OBSERVATIONS, ON THE 24TH OF APRIL 1861.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Gottingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	26'561	26'286	26'355	26,698	27'864	27'795	27'933	28'207	27'041	25'737	24'021	23'884
5 0	26.423	26.218	26.423	26.629	27.864	27.795	28.070	28.138	26.904	25.669	24.021	23.884
10 0	26.492	26.218	26.423	26.629	28.276	27.933	28.070	28.001	26.835	25.532	24.021	24.021
15 0	26.492	26.286	26.355	26.698	28.138	27.933	28.070	28.001	26.766	25.394	24.021	24.021
20 0	26.561	26.355	26.355	26.766	27.933	28.070	28.001	29.933	26.561	25.051	24.159	24.159
25 0	26.561	26.286	26.423	26.835	28.207	28.070	28.001	29.933	26.423	24.816	24.159	24.159
30 0	26.423	26.218	26.423	26.972	27.933	28.070	27.933	29.795	26.286	24.639	24.090	24.226
35 0	26.355	26.218	26.423	27.178	27.795	28.070	28.070	29.590	26.080	24.570	24.090	24.226
40 0	26.286	26.286	26.492	27.315	27.933	28.138	28.276	29.590	25.943	24.502	24.090	24.226
45 0	26.286	26.286	26.492	27.384	27.590	28.207	28.550	29.521	25.943	24.363	24.159	24.432
50 0	26.286	26.286	26.561	27.452	28.138	28.207	28.413	29.384	25.875	24.159	24.021	24.432
55 0	26.218	26.355	26.629	27.521	27.933	28.138	28.344	29.041	25.875	24.021	24.021	24.432

LARGE HORIZONTAL MAGNETOMETER (*in Scale Readings*).

Gottingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	19.90	19.95	20.06	20.07	20.21	20.25	20.53	20.87	21.09	20.75	20.68	20.29
7 0	19.82	19.96	20.03	20.09	20.21	20.27	20.59	20.89	21.07	20.72	20.61	20.27
12 0	19.86	19.96	20.04	20.10	20.18	20.34	20.61	20.92	21.05	20.69	20.55	20.22
17 0	19.89	19.94	20.04	20.10	20.16	20.40	20.68	20.92	21.02	20.69	20.52	20.18
22 0	19.90	19.95	20.05	20.11	20.16	20.40	20.72	20.87	21.00	20.71	20.50	20.14
27 0	19.87	19.96	20.05	20.14	20.12	20.42	20.75	20.80	20.96	20.74	20.46	20.08
32 0	19.91	19.95	20.06	20.15	20.20	20.42	20.76	20.76	20.98	20.76	20.42	20.00
37 0	19.95	19.95	20.08	20.18	20.24	20.42	20.80	20.79	20.90	20.74	20.42	19.96
42 0	19.97	19.95	20.07	20.16	20.20	20.48	20.80	20.84	20.89	20.73	20.39	19.92
47 0	19.98	19.98	20.08	20.19	20.25	20.51	20.80	20.92	20.86	20.73	20.39	19.81
52 0	19.96	20.00	20.08	20.18	20.27	20.51	20.80	20.97	20.84	20.73	20.35	19.81
57 0	19.95	20.02	20.07	20.20	20.30	20.50	20.84	21.07	20.80	20.71	20.33	19.31
Therm.	83°2	82°8	82°4	82°0	81°9	82°5	83°5	84°6	85°9	86°2	87°0	87°5

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Gottingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	8.39	8.42	8.44	8.51	8.59	8.39	8.20	7.92	7.72	7.66	7.72	7.95
8 0	8.42	8.42	8.45	8.53	8.59	8.37	8.20	7.90	7.70	7.67	7.76	7.97
13 0	8.42	8.42	8.45	8.54	8.60	8.34	8.20	7.88	7.68	7.67	7.80	8.00
18 0	8.44	8.42	8.45	8.55	8.59	8.30	8.18	7.86	7.64	7.66	7.84	8.00
23 0	8.44	8.42	8.45	8.55	8.56	8.25	8.18	7.83	7.62	7.66	7.89	8.05
28 0	8.42	8.40	8.46	8.56	8.54	8.23	8.18	7.82	7.64	7.66	7.90	8.08
33 0	8.40	8.40	8.45	8.56	8.52	8.20	8.14	7.80	7.65	7.65	7.90	8.04
38 0	8.40	8.40	8.44	8.56	8.50	8.20	8.11	7.80	7.64	7.67	7.90	8.00
43 0	8.40	8.40	8.46	8.57	8.46	8.15	8.08	7.78	7.64	7.68	7.90	7.96
48 0	8.39	8.40	8.48	8.57	8.40	8.12	8.02	7.78	7.66	7.68	7.92	8.00
53 0	8.40	8.40	8.49	8.57	8.40	3.16	8.00	7.74	7.67	7.68	7.94	7.95
58 0	8.42	8.42	8.50	8.59	8.40	8.20	7.95	7.70	7.66	7.70	7.95	7.92
Therm.	84°1	84°0	83°7	83°6	83°4	83°0	84°0	84°8	85°6	86°0	86°6	87°1

TERM-DAY OBSERVATIONS, ON THE 24TH OF APRIL 1861.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	24'502	25'943	26'492	26'218	25'875	25'189	25'532	26'149	26'561	26'286	26'355	26'355
5 0	24.707	25.875	26.423	26.149	25.875	25.189	25.600	26.218	26.286	26.286	26.355	26.355
10 0	24·707	25·875	26.492	26.149	25.806	25.051	25.600	26·218	26.218	26.218	26.355	26.423
15 0	24·983	25·875	26.492	26.149	25.806	24.983	25.669	26.149	26.218	26.286	26.423	26.423
20 0	25.120	25.875	26.423	26.080	25.669	24.983	25.669	26.149	26.218	26.355	26.423	26.423
25 0	25·189	25·943	26.423	26.080	25.326	25.189	25.600	26.218	26.286	26.218	26.423	26.423
30 0	25·257	26.012	26.423	26.080	25.189	25.189	25.737	26.218	26.286	26.218	26.423	26.423
35 0	25.394	26·080	26.423	26.080	25.189	25.189	25.806	26.218	26.286	26.286	26,355	26.492
40 0	25·600	26.218	26·423	26,012	25.189	25.189	25.806	26.218	26.218	26.286	26.355	26.492
45 0	25·737	26.286	26 355	25.943	25.189	25.189	25.875	26.286	26.218	26.355	26.355	26.492
50 0	25.875	26.286	26.355	25.875	25·189	25.394	25.875	26.355	26.218	26.286	26.355	26.492
55 0	25·943	26.423	26.218	25·806	25·189	25.463	25 875	26.355	26.286	26.286	26.355	26·35

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.67	19.41	19.06	19.29	19.25	19.52	19.60	19.62	19.63	19·70	19.65	19.72
7 0	19.61	19.38	19.05	19.30	19.28	19.49	19.55	19.63	19.65	19.69	19.68	19.70
12 0	19.59	19.34	19.06	19·30	19.30	19.47	19.51	19.63	19.66	19.70	19.73	19.70
17 0	19.50	19.32	19·05	19.29	19.29	19.52	19.53	19.61	19.68	19.72	19.75	19.70
22 0	19.45	19.29	19.04	19.27	19.34	19.52	19.56	19.61	19.65	19.75	19.73	19.70
27 0	19.47	19.26	19.04	19.28	19.36	19.58	19.57	19.59	19.61	19.74	19.70	19.68
32 0	19.46	19.26	19·03	19.29	19.40	19.64	19.60	19.57	19.59	19.73	19.68	19.65
37 0	19.48	19.25	19·03	19.28	19.45	19.60	19.62	19.58	19.58	19.75	19.68	19.63
42 0	19.50	19.20	19.08	19.30	19.49	19 58	19.61	19.59	19.57	19.75	19.69	19.61
47 0	19.47	19.18	19.16	19.27	19 50	19.60	19.62	18.57	19.63	19.75	19.70	19.62
52 0	19.42	19.12	19.22	19.25	19.54	19.60	19.61	18.58	19.68	19.71	19.71	19.64
57 0	19.41	19.09	19.29	19.26	19.52	19·60	19.62	18.58	19.74	19·66	19.72	19.66
Therm.	87°7	87°7	87°5	86°9	86°0	85°0	84°7	84°0	84°0	84°0	83°9	83°6

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	7.90	8·02	8.02	7.91	8.01	7.99	8.12	8·10	8.18	8.20	8.19	8.22
8 0	8 00	8.00	8.02	7.92	8·00	8.00	8.10	8.10	8.15	8.20	8.20	8.20
13 0	8.00	8.00	8.03	7.92	8.00	8.00	8.10	8·10	8.14	8.18	8.20	8.20
18 0	8.02	8.00	8 02	7.91	7.98	8.00	8.10	8.10	8.14	8.17	8.20	8.20
23 0	8.02	8.00	8.00	7.92	7.95	8.00	8.10	8.10	8.14	8·18	8.20	8.20
28 0	8.04	8.00	8.00	7.92	7.90	8.06	8.12	8.12	8.15	8.18	8.20	8.20
33 0	8.02	8.00	8.01	7.94	7.90	8.10	8.12	8.12	8.15	8.19	8.20	8.20
38 0	8.02	8.00	8.00	7.95	7.90	8.10	8.10	8.12	8.14	8.18	8.20	8.20
43 0	8.02	8.02	7.98	7.95	7·90	8.12	8.10	8.12	8.14	8.18	8.20	8.20
48 0	8.02	8.02	7.94	7.93	7.93	8.14	8.10	8.12	8.15	8.17	8.20	8.20
53 0	8.04	8.02	7.95	7.94	7.96	8.11	8.10	8.14	8.16	8.17	8.20	8.20
58 0	8.04	8.02	7.92	7.98	7.99	8.12	8.10	8.16	8.18	8.18	8.22	8.22
Therm.	87°7	88°0	88°4	88°0	87°2	86°5	85°7	85°5	85°2	85°0	85°0	84°5

TERM-DAY OBSERVATIONS, ON THE 24TH OF MAY 1861.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	27'041	26'698	26'904	27'109	28'481	29'510	29'167	27'923	25'943	23'473	21'758	21'895
5 0	27.178	26.698	26.766	27.109	28·550	29 510	29.167	27·933	25.669	23·335	21.688	21.895
10 0	27.247	26.629	26.835	27.178	28.687	29·579	29.305	27.315	25.463	23.130	21.688	21.953
15 0	27.041	26.629	26.698	27.247	28.756	29.716	29.167	27·178	25.326	22.923	21.619	21.953
20 0	26.972	26.698	26·766	27.384	28·756	29.785	29.030	27.041	25.257	22.854	21.551	22.101
25 0	27.041	26.698	26.835	27.452	28.824	29·853	28.824	26.904	24.846	22·649	21.551	22.305
30 0	27.178	26.698	26·835	27·452	28.893	29.853	28.756	26.629	24.570	22.522	21.619	22.581
35 0	27.178	26.698	26.904	27.452	29.030	29.785	28.687	26.492	24.226	22.237	21.551	22.719
40 0	27.178	26.698	26.904	27.658	29.167	29.716	28.619	26.355	24.090	22.168	21.619	22.854
45 0	27.178	26.698	26.972	27.864	29.305	29.648	28.481	26.286	23.816	21.963	21.688	22.923
50 0	26.974	26.698	27.041	28.070	29.373	29.510	28.207	26.218	23.677	21.758	21.758	22.991
55 0	26.835	26.835	27·109	28.276	29.442	29.305	28.070	26.012	23.609	21.758	21.826	23.130

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	19·23	19·40	19.50	19·59	19.72	19.74	20.05	20.42	20.62	20·61	20.45	20.04
7 0	19.25	19.38	19.51	19.60	19.70	19·76	20.10	20.48	20.60	20.60	20.42	20.00
12 0	19.25	19.38	19.51	19.61	19.72	19.75	20.14	20·51	20.60	20·62	20.39	19.97
17 0	19.25	19.38	19.53	19.61	19.72	19·77	20.16	20.53	20.63	20·58	20.37	19.96
22 0	19.25	19.40	19.55	19.60	19.74	19.80	20.18	20·55	20.65	20.56	20.34	19.94
27 0	19.28	19.42	19·54	19.60	19.75	19.82	20,24	20·58	20.65	20.55	20.30	19.90
32 0	19.33	19.42	19.54	19.60	19.77	19.84	20.28	20.62	20.66	20.52	20.28	19.86
37 0	19.35	19.42	19.53	19.60	19.74	19.88	20.30	20.62	20.66	20.51	20.24	19·81
42 0	19.35	19.46	19.53	19.63	19.72	19.91	20.30	20.62	20.64	20.51	20·23	19.79
47 0	19·34	19.50	19.56	19.65	19.71	19.94	20.36	20.55	20.64	20.53	20.20	19.78
52 0	19.36	19.48	19.58	19.68	19·71	19.98	20.37	20.55	20.63	20.53	20.14	19.76
57 0	19.38	19.50	19.59	19.71	19.72	20.00	20.40	20.60	20.62	20.48	20.08	19.75
Therm.	87°5	87°4	87°0	87°2	87°0	87°3	87°5	88°0	89°0	90°0	90°4	90°9

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	9 82	9.80	9.90	10.00	10.21	10.18	9.63	9.20	8.90	8.70	8.90	9.25
8 0	9.80	9.80	9·90	10.00	10.18	10.17	9.59	9.16	8.85	8.70	8.94	9·24
13 0	9.80	9.80	9.90	10.02	10.20	10.18	9.54	9.12	8.80	8.72	8.97	9.22
18 0	9 80	9.80	9·90	10·04	10.20	10.15	9.52	9.10	8.76	8.75	8.99	9·24
23 0	9.80	9.82	9.92	10.05	10.21	10·13	9.50	9.09	8.75	8.74	9.00	9·28
28 0	9·82	9.84	9.92	10.05	10·22	10.08	9.46	9.05	8.75	8.74	9.07	9.34
33 0	9.84	9.84	9.94	10.05	10.24	10·01	9.44	9.00	8.72	8·75	9.10	9·41
38 0	9.86	9.84	9.94	10.05	10.23	9.95	9.40	9.00	8.72	8.75	9.16	9.44
43 0	9.83	9.82	9.95	10.10	10.20	9.88	9.40	9.00	8.70	8.78	9.19	9.45
48 0	9.80	9.82	9.97	10.16	10.18	9.85	9.36	9.00	8.70	8.78	9·22	9.46
53 0	9.80	9.84	9·98	10.20	10.19	9.81	9.30	9.00	8.70	8.80	9.24	9.46
58 0	9·80	9.90	10.00	10.20	10·19	9.72	9.22	8.90	8.70	8.85	9.25	9.47
Therm.	88°5	88°0	88°0	88°0	87°7	87°9	88°0	88°0	88°9	89°4	89°9	90°4

TERM-DAY OBSERVATIONS, ON THE 24TH OF MAY 1861.

LARGE DECLINATION MAGNETOMETER *(in Arc)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	23'198	24'432	25'463	26'149	26'355	25'943	25'394	25'189	25'532	25'943	26'080	26'080
5 0	23.130	24.432	25.532	26.286	26.355	25 875	25.394	25.189	25.600	26.012	26.218	26 012
10 0	23.540	24.570	25.532	26.218	26.355	25.806	25.257	25.189	25.600	26.012	26.149	26.149
15 0	23.816	24.639	25.669	26.218	26.423	25.669	25.257	25.326	25.737	26.218	26.218	26.080
20 0	24.021	24.639	25.600	26.423	26.423	25.532	25.463	25.394	25.806	26.286	26.218	26.286
25 0	24.021	24.776	25.532	26.423	26.218	25.463	25.532	25.326	25.943	26.423	26.149	26.355
30 0	24.021	24.776	25 600	26.492	26.080	25.532	25.394	25.257	25.806	26.423	26.286	26.423
35 0	23.816	24.983	25.669	26.492	26.149	25.394	25.394	25.189	25.806	26.286	26.355	26.492
40 0	23.953	25.189	25.669	26.423	26.080	25.257	25.394	25.189	25.875	26.149	26.423	26.423
45 0	24.090	25.189	25.669	26.218	26.149	25.326	25.394	25.257	25.875	25.943	26.286	26.423
50 0	24.226	25.189	25.806	26.286	26.218	25.394	25.189	25.189	25.875	25.943	26.218	26.492
55 0	24.226	25.257	25.943	26.286	26.080	25.463	25.189	25.394	25.943	25.875	26.149	26.423

LARGE HORIZONTAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.68	19.42	19.15	19.13	19.16	19.18	19.16	19.17	19.16	19.20	19.35	19.30
7 0	19.65	19.37	19.15	19.13	19.15	19.17	19.18	19.17	19.15	19.19	19.35	19.31
12 0	19.63	19.35	19.15	19 13	19.16	19.15	19.16	19.20	19.15	19.19	19.34	19.32
17 0	19.61	19.35	19.15	19.14	19.16	19.12	19.16	19.20	19.17	19.18	19.33	19.32
22 0	19.60	19.31	19.14	19.14	19.18	19.08	19.13	19.20	19.18	19.18	19.34	19.32
27 0	19.58	19.27	19.15	19.14	19.18	19.08	19.13	19.24	19.18	19.19	19.35	19.32
32 0	19.55	19.28	19.15	19.14	19.20	19.09	19.18	19.25	19.18	19.16	19.33	19.30
37 0	19.52	19.25	19.14	19.15	19.20	19.10	19.24	19.25	19.20	19.18	19 30	19.30
42 0	19.51	19.25	19.14	19.16	19.19	19.12	19.20	19.25	19.20	19.28	19.28	19.31
47 0	19.49	19.24	19.14	19.17	19.21	19.14	19.20	19.25	19.21	19.34	19.30	19.30
52 0	19.47	19.24	19.13	19.17	19.23	19.15	19.18	19.28	19.23	19.36	19.30	19.30
57 0	19.44	19.18	19.12	19.17	19.20	19.16	19.18	19.22	19.21	19.34	19.31	19.28
Therm.	91°1	91°2	91°3	91°1	90°2	89°5	89°0	88°9	88°5	88°0	87°9	87°7

VERTICAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	9.48	9.50	9.59	9.54	9.40	9.36	9.36	9.50	9.50	9.62	9.68	9.65
8 0	9.50	9.50	9.60	9.52	9.41	9.36	9.36	9.50	9.50	9.64	9.70	9.66
13 0	9.50	9.50	9.60	9.51	9.40	9.35	9.36	6.50	9.50	9.65	9.70	9.68
18 0	9.52	9.50	9.56	9.51	9.40	9.35	9.38	9.48	9.52	9.64	9.71	9.69
23 0	9.50	9.54	9.56	9.51	9.38	9.33	9.40	9.45	9.50	9.64	9.72	9.70
28 0	9.50	9.56	9.55	9.51	9.38	9.32	9.40	9.42	9.50	9.64	9.72	9.71
33 0	9.50	9.56	9.55	9.50	9.36	9.30	9.44	9.40	9.52	9.65	9.70	9.70
38 0	9.51	9.59	9.56	9.48	9.37	9.33	9.45	9.42	9.55	9.68	9.68	9.68
43 0	9.50	9.60	9.56	9.46	9.36	9.35	9.45	9.44	9.58	9.62	9.65	9.68
48 0	9.50	9.58	9.55	9.44	9.38	9.35	9.45	9.45	9.60	9.60	9.66	9.69
53 0	9.50	9.58	9.54	9.42	9.37	9.36	9.50	9.46	9.62	9.62	9.66	9.67
58 0	9.50	9.59	9.52	9.40	9.36	9.37	9.50	9.50	9.62	9.64	9.65	9.69
Therm.	90°9	91°0	91°5	91°5	91°1	90°5	90°0	89°7	89°1	88°6	88°3	87°9

TERM-DAY OBSERVATIONS, ON THE 19TH OF JUNE 1861.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	26'629	26'698	26'835	27'169	28'276	28'481	28'481	28'001	26'149	22'581	21'688	21'345
5 0	26.698	26.698	26.835	27·169	28.413	28.481	28.481	27.864	25.943	22.374	21.758	21.345
10 0	26.629	26.629	26.835	27.169	28.413	28.413	28.413	27.795	25.600	22.237	21.688	21.551
15 0	26.629	26·698	26.835	27·178	28.481	28.413	28.413	27.727	25.051	22.101	21.619	21.963
20 0	26.629	26.698	26.904	27.178	28·344	28.344	28.344	27·795	24.639	21.963	21.619	22.237
25 0	26.629	26.766	26.904	27.178	28.413	28.481	28.344	27.864	24.295	21.963	21.688	22 305
30 0	26.698	26.698	26.972	27.178	28.344	28.481	28.344	27.727	24.159	21.758	21.688	22.305
35 0	26.698	26.698	26.972	27.384	28.344	28.413	28.276	27·590	24.021	21·551	21.619	22.374
40 0	26.698	26.698	26.972	27.658	28.344	28.413	28.207	27.521	23.746	21·482	21.619	22.649
45 0	26.766	26.766	27.041	27.795	28.344	28.413	28.207	27.041	23.473	21.345	21.619	22.649
50 0	26.835	26.835	27.041	27.933	28.413	28.344	28.138	26.629	23.130	21.345	21.551	22.787
55 0	26 766	26.835	27.041	28.207	28.481	24.344	28.070	26.492	23.060	21.482	21·345	22.923

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	19.19	19.21	19.26	19.35	19.38	19.45	19.75	20.03	20.40	20.80	20.65	20.54
7 0	19.23	19.19	19.25	19.35	19.40	19.48	19.76	20.08	20.50	20.77	20.62	20.44
12 0	19.27	19.18	19.24	19.38	19.40	19.52	19.76	20.12	20.50	20.77	20.58	20.38
17 0	19.25	19.20	19.28	19.40	19.41	19.53	19.78	20.14	20.55	20.80	20.58	20.30
22 0	19.21	19.23	19.30	19.40	19.41	19.53	19.79	20.19	20.55	20.83	20.60	20·28
27 0	19.17	19.24	19.30	19.40	19.40	19.58	19.81	20.23	20.55	20.80	20.61	20.24
32 0	19.24	19.22	19.27	19.40	19.40	19.64	19.84	20·22	20.55	20.76	20.61	20.24
37 0	19.26	19.23	19.32	19.38	19.40	19 67	19.86	20.21	20·55	20.84	20.61	20.22
42 0	19.27	19.22	19.32	19.35	19.40	19.67	19.87	20.24	20.55	20.84	20.61	20.20
47 0	19.26	19.25	19.33	19.35	19.40	19.68	19.92	20.28	20.52	20.82	20.60	20.21
52 0	19.24	19.26	19.34	19.35	19.40	19.70	19.97	20.29	20.70	20.75	20.60	20.20
57 0	19.25	19.26	19.35	19·37	19.42	19.73	19.99	20.31	20.80	20.66	20.59	20.20
Therm.	84°8	84°8	84°6	84°3	84°5	84°7	85°1	85°0	84°1	84°5	85°0	85°4

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	8·55	8.56	8.61	8.70	8·84	8.80	8.69	8.51	8.01	7.83	8.17	8.20
8 0	8.55	8.55	8.60	8.70	8.85	8.80	8·69	8.49	8.01	7.90	8.20	8.20
13 0	8.55	8.54	8.60	8.70	8.83	8.80	8.69	8.48	8.00	7.92	8.22	8.24
18 0	8.52	8.55	8.60	8.71	8.80	8.80	8·67	8.46	7.92	7.98	8.24	8.30
23 0	8·53	8.55	8.61	8.72	8.76	8.78	8.66	8.45	7.90	8.00	8.24	8.35
28 0	8.52	8.56	8.64	8.72	8.78	8.78	8.65	8.45	7.89	8.00	8.24	8.40
33 0	8.54	8.57	8.65	8.74	8.80	8.78	8.63	8.41	7.86	8.00	8.22	8.40
38 0	8.53	8.57	8.65	8·75	8.80	8.78	8.62	8.36	7.86	7.92	8.20	8.42
43 0	8.54	8.56	8.68	8.80	8·80	8.75	8.60	8.30	7.85	7.92	8.20	8.42
48 0	8·55	8.57	8.70	8.80	8.80	8.72	8.58	8.18	7.87	8.00	8.20	8.40
53 0	8.55	8.58	8.70	8.80	8·80	8.71	8.54	8.15	7.80	8.00	8.20	8.42
58 0	8.56	8.60	8.70	8.83	8.81	8.71	8.52	8.07	7·80	8.10	8.20	8.44
Therm.	85°5	85°2	85°2	85°0	85°0	85°2	85°4	85°2	84°7	84°9	85°0	85°2

TERM-DAY OBSERVATIONS, ON THE 19TH OF JUNE 1861.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	23'130	24'363	25'600	25'600	26'080	25'943	25'737	26'149	26'355	26'218	26'080	26.149
5 0	23.267	24.707	25.600	25.600	26.149	25.875	25.737	26·218	26.423	26.218	26 080	26.149
10 0	23.404	24.983	25.600	25 737	26.080	25 875	25.737	26.149	26.561	26.355	26.012	26.080
15 0	23.473	25.120	25.532	25 875	26.012	25.943	25.737	26.080	26.286	26.355	26.012	26.080
20 0	23.540	25.189	25.532	25·875	26.012	25 943	25.806	26.012	26.218	26.286	26 012	26.012
25 0	23·677	25.257	25.532	25 875	26.012	25.875	25.737	26.149	26 286	26.286	26.149	26.080
30 0	23.953	25.326	25.532	25.875	26.080	25.806	25.669	26.149	26.149	26.218	26.080	26.149
35 0	24 090	25.463	25.600	25.875	26.080	25.806	25.737	26.080	26.218	26.218	26 080	26.218
40 0	24.226	25.532	25.806	25.875	26.149	25 806	25.737	26.218	26.218	26.218	26.080	26.218
45 0	24.295	25.532	25.600	26 012	26 149	25.737	25.737	26.218	26.218	26.218	26.012	26.218
50 0	24.295	25.600	25.600	25.875	26 080	25.737	25·875	26.149	26.218	26·218	26.012	26·218
55 0	24.295	25.600	25.600	25.875	26·080	25.737	26.012	26.149	26 218	26.080	26.012	26.218

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	20.20	19.74	19·15	19.10	19.04	19.08	19.10	19 08	19.24	19.30	19 37	19.43
7 0	20.18	19.58	19.15	19.10	19 02	19.10	19.12	19.08	19.20	19.30	19.45	19.41
12 0	20.20	19·48	19·15	19.11	19.03	19 11	19.10	19·10	19.20	19.26	19 44	19.40
17 0	20.21	19.41	19.17	19.08	19.05	19.10	19.09	19.11	19.25	19.26	19.44	19·40
22 0	20.21	19.35	19.17	19.08	19.05	19.12	19.08	19.10	19 30	19 30	19.46	19·40
27 0	20·19	19·31	19 15	19.08	19.05	19.12	19.08	19.11	19 30	19.35	19.46	19.39
32 0	20 10	19·28	19.15	19.12	19.07	19.15	19.07	19.09	19.35	19.43	19.45	19.40
37 0	19 99	19 25	19.14	19.12	19 07	19.18	19.08	19.10	19.35	19.45	19·44	19.40
42 0	19.90	19.24	19.15	19.12	19.08	19.16	19.09	19.15	19 35	19·38	19.44	19.40
47 0	19.82	19.21	19.10	19.13	19 08	19·15	19.10	19.19	19.35	19.35	19 44	19·40
52 0	19.81	19.21	19.10	19.12	19.06	19.15	19 08	19.21	19.35	19.35	19.45	19.40
57 0	19.81	19.18	19.11	19.09	19.07	19.12	19.08	19.22	19.30	19.35	19.44	19.40
Therm.	85°5	85°7	85°9	85°4	85°0	84°6	84°4	84°0	83°8	83°5	83°7	83°5

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	8.48	8.68	8.61	8.53	8.56	8.56	8.66	8.72	8.76	8.80	8.82	8.82
8 0	8.48	8.74	8.56	8.56	8.58	8.56	8.64	8.71	8.78	8.80	8.82	8.82
13 0	8.49	8.76	8.53	8.59	8.57	8.56	8.60	8.72	8.80	8.82	8.82	8.82
18 0	8.51	8.74	8.50	8.56	8.55	8.56	8.58	8.74	8.80	8.85	8.80	8.82
23 0	8.52	8·72	8.50	8.55	8.55	8.58	8.57	8.73	8·80	8.80	8.80	8.82
28 0	8.54	8.70	8.50	8.51	8.55	8.60	8·59	8.74	8.78	8.80	8.80	8.80
33 0	8.62	8·67	8.50	8.50	8.56	8.62	8.61	8.72	8.79	8.80	8.80	8.80
38 0	8.64	8.65	8.54	8.52	8.58	8.62	8.65	8.74	8.80	8.80	8.80	8.80
43 0	8.65	8.66	8·55	8.52	8.57	8.62	8.67	8.77	8.80	8.80	8.80	8.80
48 0	8.65	8.66	8.50	8.52	8.57	8.65	8.70	8.78	8.80	8.80	8.80	8.80
53 0	8.66	8.65	8.50	8·50	8.56	8.66	8.70	8.80	8.80	8.80	8.80	8.81
58 0	8.65	8.62	8·50	8.54	8.56	8.65	8.71	8.77	8.80	8.80	8.82	8.80
Therm.	85°3	85°4	85°4	85°7	85°2	85°0	84°7	84°9	84°8	84°0	84°0	84°1

TERM-DAY OBSERVATIONS, ON THE 24TH OF JULY 1861.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	26'469	26'263	26'400	26'195	28'043	28'590	28'453	27'084	25'989	25'511	24'416	24'279
5 0	26.332	26.195	26.400	26.195	28.111	28.590	28.385	26.948	25.716	25 511	24·348	24.210
10 0	26 332	26.195	26.263	26.195	28.180	28.727	28.590	26 742	25 579	25.511	24.348	24.348
15 0	26.332	26.195	26.263	26.195	28.180	28.795	28.453	26 537	25.511	25·442	24.279	24.416
20 0	26.332	26.126	26.263	26.263	28.180	28.864	28.385	26·469	25.511	25'305	24 210	24.416
25 0	26.263	26.126	26.400	26·332	28.180	29.069	28.180	26.469	25 511	25·237	24.210	24.553
30 0	26.263	26.126	26.332	26.606	28.180	28·932	27·906	26 469	25.412	25.100	24.210	24.621
35 0	26 195	26.126	26.400	26.879	28.111	28.932	27.769	26 469	25 511	24.963	24 348	24.621
40 0	26.263	26.195	26 400	27.016	28 248	28.864	27.769	26 469	25.511	24.895	24.348	24.690
45 0	26.332	26.263	26.332	27.153	28.248	29.001	27.632	26.332	25.579	24.827	24 416	24.690
50 0	26·382	26.263	26.332	27.153	28.453	29.001	27.426	26.263	25.647	24.690	24 210	24.895
55 0	26 363	26.332	26 263	27.632	28.454	28 592	27.358	26·126	25.579	24 553	24.279	24.827

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	19.60	19.87	20.03	19.85	20.17	20.00	20·05	20 05	20.42	20.23	19.89	20.05
7 0	19.68	19.92	19.98	19 86	20.18	20 00	20.05	20.05	20 42	20.20	19.85	20.05
12 0	19.71	19.96	19.94	19 85	20.18	20.00	20 05	20.08	20.42	20.16	19.87	20.04
17 0	19.73	19.95	19.92	19.89	20.18	20.02	20.12	20.14	20.39	20.10	19.94	20.05
22 0	19.74	19.95	19.91	19.92	20 15	20·02	20.16	20.19	20.36	20.02	19.95	20 03
27 0	19.72	19.96	19.88	19 97	20.14	20.08	20.18	20.28	20.35	19.98	19.97	20.01
32 0	19.72	19.96	19.86	20.04	20.11	20 08	20.18	20.33	20.32	19.97	20·04	20.01
37 0	19.72	19.97	19.85	20.08	20.08	20.10	20·16	20.38	20.30	19.97	20.05	20.00
42 0	19.76	20.02	19.85	20.14	20.05	21.14	20.16	20.42	20.29	19·94	20.08	20.00
47 0	19.80	20.06	19.85	20.18	20.02	21.17	20.15	20.41	20.27	19.90	20.05	20.00
52 0	19 83	20.07	19.86	20.17	20.09	21.20	20.12	20.41	20.26	19.89	20.05	20.00
57 0	19.85	20.05	19.87	20.16	20.05	21.15	20.08	20.40	20.24	19.90	20.05	19.99
Therm.	81°0	81°0	81°0	80°9	80°9	81°0	81°4	81°9	82°4	83°0	83°9	84°0

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	10.10	10.10	10.12	10.13	10.15	10.10	10.10	10.05	10.10	10.11	10.05	10.02
8 0	10.10	10.10	10.12	10.12	10.15	10.10	10.10	10.05	10.10	10.11	10.03	10.02
13 0	10.12	10.12	10.13	10.12	10.15	10.10	10·10	10.05	10.09	10.10	10.03	10.00
18 0	10.14	10.12	10.13	10.11	10.15	10.10	10.10	10.08	10.10	10.10	10.01	10.00
23 0	10.15	10.12	10·12	10.12	10.15	10.10	10.08	10.06	10.11	10.10	10.01	10·02
28 0	10.15	10·12	10.12	10.12	10.15	10.10	10.08	10.06	10.10	10.08	10.02	10.01
33 0	10.15	10.12	10.12	10.12	10.13	10·10	10.06	10.06	10.10	10.09	10.05	10.01
38 0	10.15	10·12	10.11	10.13	10.12	10·10	10.06	10.08	10.10	10.08	10.05	10.01
43 0	10.14	10.12	10.11	10.14	10.11	10.10	10.06	10.10	10·10	10.06	10.04	10.01
48 0	10·12	10.14	10.12	10·14	10.10	10.10	10.06	10.10	10.10	10.06	10·02	10.00
53 0	10.12	10·14	10·12	10.14	10.10	10.11	10.05	10.08	10.10	10.06	10.02	10.00
58 0	10.10	10.12	10.13	10.14	10.10	10.10	10.05	10.12	10.11	10.05	10.02	10.00
Therm.	81°6	81°6	81°6	81°3	81°2	81°3	81°7	81°8	82°1	83°0	83°3	83°7

TERM-DAY OBSERVATIONS, ON THE 24TH OF JULY 1861.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	24.895	25 169	25.716	25.989	26.606	25.716	25.374	25.579	25·716	25.647	25.579	26.195
5 0	24.963	25.374	25.716	25.989	26.606	25.647	25.305	25.647	25.647	25.647	25 579	26.195
10 0	24·963	25.374	25.784	26.058	26.400	25.647	25.305	25.647	25 716	25.716	25.579	26.126
15 0	24·963	25 374	25 921	26.058	26.332	25.716	25 374	25.716	25.647	25.716	25 579	25.989
20 0	24.895	25.374	25 989	26.126	26.332	25.716	25.374	25 716	25.647	25 716	25.647	25 989
25 0	24.895	25 511	26.058	26.058	26 263	25 647	25.374	25·716	25.579	25.716	25.647	25·989
30 0	24.895	25.442	26.058	26.058	26 263	25.647	25·305	25.647	25.579	25.647	25.647	25.989
35 0	24.895	25.442	26.126	26 263	25.989	25 647	25.305	25 647	25.579	25.647	25·716	25.921
40 0	24.895	25.511	26.126	26.332	25.921	25 511	25.305	25.716	25.579	25.647	25.784	25.921
45 0	24.963	25.511	26.058	26.469	25.921	25 442	25.442	25.784	25.647	25.579	25·853	25.921
50 0	24.963	25.511	26.058	26 537	25.853	25.442	25 442	25 784	25·647	25.579	25.853	26.126
55 0	25 032	25 511	26.058	26 606	25.853	25.374	25.374	25.784	25.647	25.647	26.058	26.126

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.95	19.84	19.73	19.64	19 57	19.56	19.45	19.54	19 80	19.97	19.91	19.79
7 0	19.92	19.85	19.73	19.62	19.59	19.53	19.46	19.53	19.80	19·99	19.89	19.78
12 0	19·91	19.83	19.71	19.60	19.59	19.53	19 52	19.56	19.82	19.96	19.89	19.78
17 0	19.91	19.81	19.70	19 58	19.59	19 55	19·56	19.55	19.85	19.97	19.89	19.78
22 0	19.90	19.80	19.69	19.56	19·60	19 59	19·59	19.57	19.87	19.98	19.92	19.78
27 0	19.90	19.80	19.68	19.55	19.60	19.47	19 60	19.56	19 89	19.96	19.92	19.78
32 0	19·90	19.79	19.67	19.57	19 60	19.47	19.60	19.58	19.94	19.97	19.92	19.78
37 0	19.89	19.76	19·65	19.55	19.60	19.47	19.60	19.62	19.98	19.95	19.88	19.77
42 0	19.89	19.76	19.65	19.52	19.62	19.52	19.60	19.68	19.96	19.95	19.86	19.77
47 0	19 89	19.76	19.63	19.51	19 62	19.53	19.61	19.73	19.95	19·94	19.80	19.77
52 0	19.89	19.76	19.62	19·53	19.61	19 53	19 62	19·75	19 95	19.93	19.80	19.72
57 0	19.88	19.76	19.62	19.54	19.58	19.50	19.57	19.75	19.94	19.91	19.80	19.72
Therm.	84°5	84°4	84°0	83°5	83°0	82°5	82°2	82°1	82°0	82°0	81°8	81°8

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	10.00	10·00	10.00	10 01	9.98	9.91	9.90	9.95	9.96	9.98	9.97	9.96
8 0	10.02	10.00	10.00	10 01	9.98	9·90	9.92	9.95	9.98	9.98	9.95	9.96
13 0	10 04	10.00	10.00	10.00	9·95	9.90	9 94	9·95	9.98	9.98	9.95	9.96
18 0	10.04	10.00	10.01	10.00	9.95	9.90	9.95	9.93	9.97	9 98	9.95	9.97
23 0	10.02	10.00	10.01	10.00	9.94	9.90	9.95	9.92	9.97	9.98	9.95	9.97
28 0	10.02	10.00	10.00	10.00	9.92	9.90	9.95	9.92	9.96	9.98	9.95	9.97
33 0	10.00	10.00	10.00	10.00	9.92	9.90	9.95	9.92	9.96	9.98	9.95	9.97
38 0	10.00	10.00	10.00	9.99	9.92	9.90	9·95	9 92	9.97	9.98	9.95	9 95
43 0	10.00	10.00	10.00	9.99	9.92	9.90	9.95	9.95	9.96	9.98	9.95	9.95
48 0	10.00	10·00	10.00	9.99	9.92	9.90	9.95	9.95	9.97	9.98	9·95	9.95
53 0	10.00	10·00	10.00	9·98	9.91	9.90	9.95	9.95	9.97	9.98	9.95	9.96
58 0	10.00	10.00	10·00	9.98	9.91	9.90	9·95	9.98	9 98	9.97	9.96	9.96
Therm.	84°0	84°0	84°0	83°7	83°3	83°0	83°0	82°8	82°6	82°5	82°2	82°0

TERM-DAY OBSERVATIONS, ON THE 30TH OF AUGUST 1861.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Gottingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	29'090	29'090	29'501	29'843	31'213	32'102	31'828	29'911	28'405	27'309	26'830	26'625
5 0	29.090	29.090	29.559	29.911	31.349	32.102	31.692	29.911	28.415	27.240	26.693	26.693
10 0	29.090	29.090	29.501	30.048	31.486	32.102	31.486	29.774	28.268	27.172	26.693	26.830
15 0	29.090	29.090	29.638	30.185	31.623	32.102	31.349	29.501	28.062	27.104	26.693	26.899
20 0	29.090	29.090	29.638	30.322	31.692	32.170	31.144	29.432	27.925	26.967	26.625	26.899
25 0	29.090	29.090	29.501	30.459	31.760	32.170	31.007	29.159	27.857	26.967	26.556	26.967
30 0	29.090	29.090	29.559	30.459	31.828	32.170	31.007	29.090	27.720	26.967	26.556	27.035
35 0	29.090	29.227	29.638	30.528	31.897	32.170	30.801	28.953	27.583	26.899	26.556	27.035
40 0	29.090	29.227	29.638	30.595	31.965	32.102	30.733	28.953	27.514	26.830	26.488	26.967
45 0	29.090	29.501	29.638	30.801	32.033	32.033	30.528	28.610	27.466	26.899	26.488	26.967
50 0	29.090	29.706	29.706	31.007	32.033	31.965	30.459	28.542	27.466	26.899	26.488	26.899
55 0	29.090	29.638	29.706	31.144	32.102	31.965	30.253	28.542	27.377	26.830	26.556	26.967

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Gottingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	20.56	20.60	20.67	20.70	20.71	20.60	20.77	21.10	21.19	21.28	21.24	21.24
7 0	20.54	20.60	20.66	20.72	20.74	20.62	20.80	21.11	21.19	21.28	21.23	21.21
12 0	20.54	20.60	20.66	20.72	20.76	20.64	20.82	21.14	21.21	21.28	21.21	21.20
17 0	20.58	20.62	20.67	20.71	20.73	20.65	20.84	21.15	21.24	21.28	21.22	21.23
22 0	20.60	20.62	20.65	20.69	20.69	20.65	20.84	21.17	21.26	21.29	21.25	21.21
27 0	20.62	20.60	20.64	20.68	20.66	20.65	20.85	21.20	21.26	21.26	21.23	21.16
32 0	20.62	20.60	20.62	20.66	20.59	20.66	20.86	21.20	21.26	21.26	21.21	21.09
37 0	20.61	20.60	20.64	20.63	20.55	20.69	20.90	21.20	21.27	21.26	21.22	21.12
42 0	20.61	20.60	20.65	20.68	20.57	20.69	20.90	21.20	21.27	21.24	21.22	21.15
47 0	20.61	20.64	20.65	20.72	20.57	20.71	20.90	21.20	21.28	21.24	21.24	21.14
52 0	20.61	20.64	20.66	20.74	20.60	20.73	20.90	21.20	21.28	21.25	21.24	21.14
57 0	20.60	20.66	20.68	20.73	20.63	20.76	21.01	21.17	21.29	21.24	21.24	21.13
Therm.	79°0	79°0	78°7	78°5	78°5	79°0	79°6	80°0	80°0	80°4	80°9	80°7

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Gottingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	11.25	11.30	11.30	11.30	11.30	11.30	11.29	11.20	11.19	11.20	11.19	11.19
8 0	11.25	11.30	11.25	11.30	11.32	11.30	11.27	11.20	11.20	11.20	11.18	11.20
13 0	11.25	11.30	11.25	11.32	11.32	11.29	11.25	11.20	11.22	11.19	11.18	11.20
18 0	11.26	11.30	11.26	11.32	11.31	11.29	11.24	11.18	11.22	11.19	11.18	11.20
23 0	11.26	11.30	11.28	11.32	11.32	11.30	11.23	11.18	11.22	11.19	11.18	11.21
28 0	11.27	11.30	11.28	11.32	11.31	11.30	11.22	11.18	11.24	11.20	11.18	11.21
33 0	11.29	11.30	11.28	11.33	11.31	11.30	11.20	11.19	11.25	11.20	11.18	11.21
38 0	11.30	11.30	11.28	11.33	11.30	11.29	11.20	11.19	11.25	11.20	11.18	11.21
43 0	11.30	11.30	11.28	11.32	11.30	11.29	11.20	11.19	11.22	11.19	11.18	11.21
48 0	11.30	11.30	11.28	11.32	11.30	11.29	11.20	11.18	11.21	11.19	11.18	11.21
53 0	11.30	11.30	11.28	11.32	11.30	11.29	11.20	11.18	11.21	11.20	11.18	11.21
58 0	11.30	11.30	11.30	11.31	11.30	11.29	11.20	11.19	11.20	11.19	11.19	11.22
Therm.	79°4	79°5	79°0	78°7	78°7	79°0	79°6	80°0	80°0	80°2	80°6	80°5

TERM-DAY OBSERVATIONS, ON THE 30TH OF AUGUST 1861.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	26'967	28'062	28'884	29'432	29'021	28'542	28'405	28'268	28'336	28'405	28'610	28'816
5 0	27.104	28.199	29.021	29.501	28.884	28.542	28.405	28.268	28.336	28.405	28.679	28.884
10 0	27·104	28·268	29.021	29.501	28.816	28.542	28.268	28·268	28.336	28.405	28.610	28.884
15 0	27·172	28·336	29.159	29.432	28.816	28.542	28.268	28.268	28.336	28.474	28.610	28.884
20 0	27.309	28.405	29.364	29.364	28.747	28.542	28.268	28.268	28.336	28.542	28.679	28.884
25 0	27·377	28·542	29.227	29.364	28.747	28.542	28.199	28.268	28.336	28.542	28.679	28.953
30 0	27·377	28.610	29.159	29.364	28.747	28.542	28.199	28.131	28.336	28.542	28.610	29.021
35 0	27.377	28·610	29.159	29.364	28.610	28.542	28.199	28.131	28.336	28.474	28.610	29.021
40 0	27·466	28.747	29·227	29.227	28.542	28.474	28.199	28.199	28.405	28.474	28.679	29.021
45 0	27·789	28.747	29·364	29.227	28.610	28.474	28.268	28.199	28.405	28.542	28.747	29.090
50 0	28.062	28.816	29.364	29.090	28·610	28.474	28.268	28.268	28.405	28.542	28.747	29.090
55 0	28·062	28.884	29.432	29·021	28·542	28.474	28.268	28.268	28.405	28.542	28.816	29·090

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	21.11	20.98	20.80	20.52	20.53	20.56	20.48	20.55	20.55	20·58	20.64	20.61
7 0	21.11	20.98	20.76	20.54	20.53	20.53	20.48	20.61	20.55	20.58	20.65	20.63
12 0	21.11	21.00	20.72	20·55	20.53	20.51	20.54	20.60	20.55	20.58	20.65	20.65
17 0	21.08	21.00	20·70	20.56	20.52	20.52	20.55	20.60	20.55	20.59	20.65	20.66
22 0	21.08	20.97	20.69	20.56	20.52	20.46	20.58	20.60	20.56	20.59	20.65	20.68
27 0	21.04	20.93	20.69	20.56	20.52	20.48	20.58	20.60	20.54	20.59	20.66	20.65
32 0	21.02	20.94	20·69	20.56	20.54	20.46	20.58	20.61	20.54	20.60	20.68	20.61
37 0	21.07	20.92	20·66	20.55	20.55	20.47	20.54	20.57	20.55	20.60	20.70	20.58
42 0	21.03	20.90	20.63	20.53	20.54	20.47	20.50	20.55	20.57	20.62	20.72	20.55
47 0	21.00	20.90	20.60	20.52	20.54	20.47	20.46	20.56	20.57	20.66	20.69	20.51
52 0	21.00	20.85	20.56	20.54	20.53	20.47	20.48	20.53	20.58	20.65	20.64	20.50
57 0	20.97	20.80	20.54	20.53	20.54	20·48	20.50	20.52	20.58	20.65	20.60	20.47
Therm.	80°9	80°7	81°2	81°0	80°6	80°4	80°2	80°0	80°0	79°8	79°7	79°6

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	11.22	11·25	11.21	11.20	11.22	11.20	11.21	11·20	11.20	11.20	11.22	11.20
8 0	11 20	11.25	11.20	11.18	11·21	11.20	11.21	11.20	11.20	11.20	11.24	11.20
13 0	11.21	11.25	11.22	11.16	11.20	11.20	11.20	11.20	11.20	11.20	11.24	11.20
18 0	11.21	11.25	11 22	11.16	11.20	11.20	11.20	11.20	11.20	11.20	11.24	11.20
23 0	11.22	11.27	11.22	11.16	11.20	11.20	11.20	11.20	11.20	11.20	11.24	11.20
28 0	11.22	11.29	11.22	11.14	11.20	11.21	11.20	11.20	11.21	11.20	11.22	11.20
33 0	11.22	11.29	11.22	11.14	11.20	11.21	11.20	11.20	11.21	11.20	11.22	11.20
38 0	11.22	11.28	11.22	11.14	11.20	11.21	11.20	11.20	11.20	11.20	11.21	11.20
43 0	11.23	11.27	11.22	11.16	11·20	11.21	11.20	11.20	11.20	11.20	11.22	11.20
48 0	11.24	11.27	11.22	11.18	11.20	11.21	11.20	11.20	11.20	11.20	11.21	11.21
53 0	11.25	11.25	11.22	11.20	11.20	11.21	11.20	11.20	11.20	11.21	11.20	11.21
58 0	11.25	11.23	11.20	11.21	11.20	11.21	11.20	11.20	11.20	11.21	11.19	11.21
Therm.	80°9	80°8	81°0	81°0	81°0	80°8	80°8	80°0	80°0	80°0	80°1	80°0

TERM-DAY OBSERVATIONS, ON THE 18TH OF SEPTEMBER 1861.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	29'569	29'843	29'706	29'911	31'692	32'855	31'486	29'501	27'583	26'214	25'871	26'625
5 0	29.432	29.911	29.706	29.911	31·828	32.855	31.418	29·295	27.466	26·077	25.940	26.830
10 0	29.295	29.911	29.638	29.911	31.828	32·787	31.281	29.159	27.466	26.282	25.940	26.899
15 0	29.227	29.911	29.569	30.048	31.897	32.718	31.144	28·963	27.466	26.282	26.008	27.104
20 0	29.432	29.843	29·774	30.185	32·033	32.650	31.007	28.816	27.377	26.214	26.145	27.240
25 0	29.638	29.774	29.843	30.390	32.376	32·582	30.801	28.610	27.172	26·077	26.214	27.583
30 0	29.843	29.843	29·843	30·528	32.513	32.444	30.595	28.542	26.899	26.008	26.282	27.789
35 0	29.911	29.843	29.843	30.801	32.582	32.376	30.390	28.405	26.899	26.008	26.214	27.994
40 0	29.911	29.843	29.911	30.870	32.650	32.170	30.253	28.268	26.762	25.803	26.218	28.268
45 0	29.843	29.774	29.911	30.938	32.718	31.897	30.048	27.994	26.556	25.871	26.218	28.405
50 0	29.843	29.774	29.911	31.281	32.718	31.760	29.911	27.857	26.420	25.803	26.351	28.542
55 0	29.843	29.774	29·911	31.555	32.718	31.623	29.774	27.789	26.351	25.940	26.488	28.747

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	19·89	19·91	19.89	19·90	19.85	19.80	20.09	20.28	20.43	20.60	20.38	20.29
7 0	19.95	19.90	19.91	19·90	19.87	19·79	20.10	20.30	20.44	20.53	20.38	20.28
12 0	20.06	19.89	19.90	19.90	19.88	19.79	20.10	20·27	20.47	20·49	20.39	20.22
17 0	20.18	19.87	19.90	19.91	19.90	19.78	20.11	20.27	20.47	20·45	20.38	20.16
22 0	20.20	19.88	19.90	19·92	19.86	19.80	20.12	20·29	20.47	20.42	20.38	20.11
27 0	20.18	19.91	19·90	19.95	19.83	19.83	20.14	20·28	20.45	20.49	20.39	20.06
32 0	20.20	19.93	19.92	19.95	19.85	19.87	20.17	20.32	20.49	20.41	20.39	20.01
37 0	20.16	19.94	19.94	19.95	19.86	19.91	20.20	20.34	20.52	20.40	20.38	19·98
42 0	20.07	19.95	19.94	19.90	19.88	19.95	20.24	20.38	20.57	20.42	20·36	19.98
47 0	20·00	19.94	19.92	19.90	19.88	19.98	20.29	20.39	20.59	20.44	20.35	19.92
52 0	19.95	19.90	19.90	19.89	19·85	20.03	20.32	20.41	20.60	20.42	20.35	19.90
57 0	19.91	19.86	19.90	19.85	19.83	20.08	20.28	20.42	20.60	20.39	20.32	19.83
Therm.	80°6	80°4	80°9	80°8	80°7	80°6	81°1	82°0	82°9	83°7	83°8	83°9

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	10 20	10.20	10.19	10.20	10.22	10.22	10.19	10.15	10.14	10.10	10.10	10.14
8 0	10.18	10.18	10·20	10.20	10.22	10.22	10.19	10.15	10.12	10.10	10.13	10·14
13 0	10.16	10.17	10.20	10.20	10.22	10.22	10.18	10.14	10.12	10.10	10.12	10.15
18 0	10.18	10.16	10·20	10·21	10.22	10.22	10.17	10.14	10.10	10.10	10.12	10·15
23 0	10.19	10.17	10.20	10,22	10.22	10·22	10.16	10.14	10.10	10.10	10.12	10·15
28 0	10·17	10.17	10.20	10.22	10·22	10.21	10.16	10.14	10,10	10.10	10.12	10.15
33 0	10.16	10.17	10.20	10.22	10.23	10·21	10.16	10.13	10.10	10·10	10.12	10·16
38 0	10.16	10.17	10.20	10.22	10.23	10.21	10.15	10.13	10.10	10.10	10.12	10.15
43 0	10.17	10.18	10.20	10.22	10.23	10.21	10.15	10.13	10.09	10.10	10.12	10.15
48 0	10.18	10.18	10.20	10.22	10.23	10.21	10.15	10.13	10.09	10.10	10·12	10.15
53 0	10·18	10.17	10·20	10.22	10.23	10.21	10.14	10.13	10.09	10.11	10.12	10.15
58 0	10.20	10.19	10.20	10.22	10·22	10.20	10.15	10.14	10.10	10.10	10,14	10.17
Therm.	81°6	81°6	81°6	81°1	81°0	81°0	81°1	81°5	82°3	83°0	83°0	83°5

TERM-DAY OBSERVATIONS, ON THE 18TH OF SEPTEMBER 1861.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	29'021	30'870	30'733	30'390	29'970	30'733	31'555	30'528	29'970	29'774	29'843	30'116
5 0	29.167	30.870	30.733	30.390	30.459	30 528	31.144	30.459	29.970	29.774	29.843	30.185
10 0	29.432	30.801	30.733	30.390	30.596	30.390	30.870	30.253	29.970	29.774	29.843	30.253
15 0	29.501	30.801	30.542	30.322	30.733	30.185	30.459	30.048	29.970	29.774	29.774	30.253
20 0	29.774	30.733	30.542	30.185	30.733	30.116	30.390	29.970	29.970	29.774	29.714	30.116
25 0	29.843	30.733	30.542	30.116	30.870	30.116	30.322	30.048	29.911	29.774	29.714	30.116
30 0	30.048	30.664	30 528	29.970	30.938	30.185	30.185	29.970	29.774	29.774	29.714	30.116
35 0	30.253	30.664	30.459	29.843	31.144	30.253	30.253	29.970	29.911	29.774	29.843	30.048
40 0	30.390	30.664	30.459	29.774	31.007	30.253	30.322	29.911	30.116	29.364	29.843	29.970
45 0	30.528	30.664	30.322	29.774	30.938	30.253	30.459	29.843	30.116	29.432	29.911	29.970
50 0	30.596	30.664	30.048	29.774	30.870	30.664	30.459	29.970	29.774	29.638	29.911	29.843
55 0	30.664	30.596	30.048	29.970	30.870	31.213	30.596	29.911	29.774	29.774	29.970	29.706

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.79	19.29	19.45	19.45	18.75	18.43	19.04	19.06	18.94	18.90	19.25	19.23
7 0	19.71	19.30	19.43	19.40	18.74	18.44	19.05	19.01	18.95	19.00	19.25	19.24
12 0	19.67	19.33	19.43	19.35	18.70	18.47	19.06	18.97	18.98	19.10	19.26	19.22
17 0	19.62	19.35	19.42	19.30	18.66	18.45	19.04	18.95	19.00	19.10	19.25	19.21
22 0	19.59	19.37	19.42	19.26	18.65	18.44	19.02	18.92	18.90	19.16	19.25	19.23
27 0	19.53	19.39	19.46	19.20	18.60	18.46	19.01	18.90	18.86	19.18	19.25	19.24
32 0	19.50	19.42	19.48	19.16	18.55	18.48	19.03	18.94	18.88	19.24	19.25	19.25
37 0	19.45	19.43	19.50	19.10	18.45	18.49	19.04	18.98	18.90	19.24	19 27	19.28
42 0	19.41	19.43	19.50	19.02	18.40	18.58	19.03	18.94	18.85	19.26	19.24	19.29
47 0	19.36	19.43	19.47	18.91	18.46	18.66	19.02	18.94	18.85	19.23	19.22	19.36
52 0	19.34	19.43	19.45	18.86	18.45	18.78	19.07	18.96	18.80	19.25	19.19	19.45
57 0	19.31	19.44	19.45	18.80	18.45	18.89	19.11	18.93	18.85	19.25	19.21	19.43
Therm.	84°2	84°2	84°0	83°7	83°0	82°5	82°1	81°9	81°8	81°5	81°5	81°2

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	10.18	10.18	10.18	10.10	10.10	10.15	10.16	10.14	10.15	10.20	10.18	10.16
8 0	10.18	10.19	10.16	10.10	10.12	10.15	10.14	10.14	10.15	10.18	10.16	10.16
13 0	10.16	10.18	10.15	10.10	10.15	10.15	10.15	10.13	10.15	10.18	10.15	10.16
18 0	10.15	10.18	10.13	10.10	10.15	10.15	10.15	10.13	10.15	10.18	10.15	10.15
23 0	10.15	10.18	10.12	10.10	10.15	10.15	10.14	10.14	10.15	10.18	10.15	10.15
28 0	10.15	10.18	10.11	10.10	10.15	10.15	10.14	10.14	10.14	10.19	10.15	10.15
33 0	10.15	10.18	10.11	10.10	10.15	10.15	10.15	10.14	10.14	10.19	10.15	10.15
38 0	10.15	10.17	10.11	10.10	10.15	10.15	10.14	10.15	10.15	10.20	10.15	10.15
43 0	10.16	10.17	10.11	10.10	10.15	10.15	10.14	10.15	10.17	10.20	10.15	10.15
48 0	10.17	10.17	10.10	10.10	10.15	10.15	10.14	10.15	10.18	10.20	10.15	10.15
53 0	10.17	10.17	10.10	10.10	10.15	10.15	10.13	10.15	50.19	10.20	10.15	10.15
58 0	10.18	10.17	10.10	10.10	10.15	10.18	10.14	10.15	10.19	10.19	10.16	10.16
Therm.	84°1	84°8	85°0	85°0	84°1	83°6	83°5	83°0	82°8	82°4	82°0	82°0

TERM-DAY OBSERVATIONS, ON THE 23RD OF OCTOBER 1861.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	29·090	29·021	28·816	28·679	29·021	29·774	29·970	29·364	28·268	27·240	27·035	27·925
5 0	28.747	29.021	28.816	28·747	29.090	29.774	29.970	29.227	27.994	27.240	26.899	28.199
10 0	28.747	29.021	28.884	28.747	29.090	29.774	29.911	29.159	27.789	27.172	27.035	28.131
15 0	28.884	29·021	28.884	28·747	29.090	29.843	29.843	29.090	27.720	27.172	27.035	28.131
20 0	28.884	28.953	28.816	28.679	29·090	29.843	29.843	29·090	27.651	27.104	26.762	28.131
25 0	28.884	28.953	28.747	28.679	29.090	29.911	29.774	28.884	27.514	27.104	26.556	28 199
30 0	28.884	28.953	28.679	28.747	29.227	29.911	29.774	28.747	27.514	27.035	26.899	28.268
35 0	28.953	28.884	28.610	28.816	29.227	29.911	29.706	28·542	27.466	27·035	27·035	28.268
40 0	28.953	28.884	28.610	28.953	29.432	29.911	29.638	28.542	27.377	27·104	27.035	28.474
45 0	28.884	28.884	28.679	28.953	29.501	29.911	29.638	28.474	27.377	27.104	27.240	28.747
50 0	28.884	28.884	28.679	28.953	29.569	30.048	29.501	28.405	27.377	27.104	27.446	28.747
55 0	28 953	28.884	28.679	29.021	29.774	29.970	29.501	28.263	27.309	27.035	27·720	28.747

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	20.45	20.50	20.50	20.63	20.57	20.54	20.75	20.91	20.98	20.89	20.61	20.43
7 0	20.45	20.50	20.50	20.62	20.56	20.55	20.76	20.90	20.98	20.89	20.60	20.25
12 0	20.45	20.54	20.48	20.61	20.56	20.55	20.82	20.88	21.00	20.88	20.59	20.24
17 0	20.48	20.54	20.45	20.61	20.56	20.57	20.84	20.88	21.00	20.87	20.56	20.21
22 0	20.50	20.54	20.50	20.62	20.56	20.58	20.84	20.88	21.02	20.84	20.95	20·11
27 0	20.46	20.54	20.54	20.63	20.56	20.63	20.84	20.90	21.03	20.81	20.97	20.00
32 0	20.45	20.55	20.58	20.61	20.55	20.65	20.85	20·90	21.04	20.80	20.88	19.94
37 0	20.47	20.55	20.60	20.58	20.55	20 65	20.86	20.93	21·02	20.80	20.81	19.90
42 0	20.45	20.56	20.60	20.56	20.56	20.67	20.87	20.94	21.01	20.80	20.76	19.80
47 0	20.48	20.54	20.60	20.57	20.56	20.70	20.87	20.95	20.99	20.77	20.72	19.78
52 0	20.48	20.53	20.62	20.59	20.56	20.70	20.90	20.96	20.95	20.74	20.63	19.67
57 0	20.50	20.53	20.62	20·58	20.55	20.75	20.90	20.99	20.91	20.68	20.47	19.61
Therm.	80°6	80°5	80°4	80°4	80°4	80°4	81°5	82°4	83°1	84°2	85°5	85°6

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	11·57	11.56	11.56	11.60	11·61	11.61	11.60	11.60	11.55	11.60	11.60	11.60
8 0	11.57	11.56	11.56	11.60	11.61	11.61	11.60	11.60	11.55	11.58	11.60	11.60
13 0	11.57	11.55	11.56	11.60	11.61	11.61	11.60	11.59	11.57	11.59	11.60	11.60
18 0	11.57	11.55	11.55	11.60	11.61	11.61	11·59	11.58	11.58	11·60	11.60	11.60
23 0	11.56	11.56	11.57	11.60	11.61	11.61	11.59	11.58	11.58	11.60	11.60	11.60
28 0	11.56	11.56	11.58	11.60	11.61	11.61	11.59	11.57	11.58	11.60	11.60	11.60
33 0	11.56	11.56	11.60	11.61	11.61	11.60	11.60	11.56	11.59	11.60	11.60	11.61
38 0	11.56	11.56	11.60	11.62	11.60	11.60	11.61	11.58	11.60	11.59	11.60	11.62
43 0	11.56	11.56	11.60	11.62	11·60	11.60	11.61	11.57	11.59	11.58	11.60	11.61
48 0	11·56	11.56	11.60	11.62	11.60	11.60	11.61	11.56	11.59	11.58	11.60	11.61
53 0	11.56	11.56	11.60	11.61	11·61	11.60	11.60	11.55	11.60	11.60	11.60	11.63
58 0	11.56	11.56	11.60	11.61	11.61	11.60	11.60	11.56	11·60	11.60	11.60	11.63
Therm.	81°6	81°6	81°6	81°5	81°4	81°4	81°7	82°3	82°8	83°4	84°3	84°6

TERM-DAY OBSERVATIONS, ON THE 23RD OF OCTOBER 1861.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	29'090	29'843	30'390	29'843	29'638	31'418	30'322	30'596	30'528	29'774	29'638	29.970
5 0	29.090	29.911	30.596	29.774	30.048	31.349	30.390	30.596	30.528	29.774	29.774	29.970
10 0	29.090	29.185	30.664	29.638	30.116	31.281	30.390	30.596	30.459	29.774	29.774	30.253
15 0	29.227	29.253	30.664	29.501	30.185	31.141	30.390	30.733	30.459	29.774	29.911	30.253
20 0	29.295	29.390	30.596	29.569	30.185	30.870	30.322	30.938	30.390	29.774	29.911	30.459
25 0	29.295	29.596	30.596	29.706	30.185	30.870	30.390	30.938	30.322	29.774	29.911	30.459
30 0	29.432	29.596	30.459	29.569	30.253	30.733	30.390	30.938	30.116	29.706	29.911	30.938
35 0	29.569	29.596	30.253	29.432	30.459	30.595	30.459	30.938	29.843	29.706	29.911	31.144
40 0	29.638	29.390	30.185	29.501	30.870	30.253	30.459	30.938	29.774	29.843	29.843	31.144
45 0	29.706	29.185	30.116	29.432	31.213	30.253	30.528	30.938	29.774	29.638	29.774	31.144
50 0	29.706	29.185	30.048	29.432	31.418	30.322	30.528	30.733	29.774	29.569	29.774	30.870
55 0	29.706	29.185	29.911	29.569	31.555	30.322	30.528	30.664	29.774	29.569	29.774	30.870

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.48	18.53	18.23	17.71	17.57	17.80	18.25	18.10	18.40	19.07	19.10	19.35
7 0	19.38	18.50	18.20	17.71	17.64	17.87	18.27	18.11	18.40	19.06	19.05	19.31
12 0	19.20	18.47	18.16	17.70	17.70	17.92	18.27	18.13	18.53	19.10	19.05	19.32
17 0	19.05	18.43	18.14	17.61	17.72	18.00	18.30	18.11	18.60	19.12	19.05	19.32
22 0	18.97	18.42	18.08	17.60	17.77	18.07	18.20	18.14	18.65	19.11	19.05	19.40
27 0	18.86	18.42	18.02	17.59	17.73	18.03	18.15	18.15	18.73	19.15	19.02	19.40
32 0	18.78	18.40	17.93	17.62	17.73	17.96	18.10	18.06	18.81	19.13	19.02	19.35
37 0	18.73	18.36	17.87	17.60	17.79	17.97	18.05	18.10	18.85	19.14	19.16	19.30
42 0	18.70	18.30	17.83	17.57	17.75	17.98	18.03	18.10	18.92	19.22	19.23	19.25
47 0	18.65	18.30	17.80	17.56	17.78	18.04	17.95	18.10	18.85	19.25	19.28	19.20
52 0	18.63	18.26	17.79	17.50	17.80	18.06	18.01	18.11	19.00	19.23	19.30	19.20
57 0	18.58	18.22	17.72	17.52	17.77	18.17	18.08	18.25	19.07	19.16	19.34	19.00
Therm.	86°0	86°0	85°6	85°0	83°3	82°9	82°6	82°0	81°8	81°6	81°3	81°2

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	11.62	11.60	11.55	11.60	11.61	11.57	11.53	11.54	11.60	11.60	11.60	11.60
8 0	11.61	11.60	11.55	11.60	11.61	11.57	11.53	11.54	11.60	11.61	11.60	11.60
13 0	11.61	11.59	11.56	11.61	11.60	11.58	11.52	11.55	11.60	11.61	11.60	11.60
18 0	11.60	11.59	11.58	11.60	11.57	11.55	11.52	11.55	11.60	11.61	11.60	11.60
23 0	11.62	11.59	11.59	11.60	11.60	11.53	11.52	11.56	11.60	11.60	11.60	11.60
28 0	11.61	11.58	11.59	11.59	11.58	11.53	11.53	11.56	11.60	11.60	11.60	11.60
33 0	11.61	11.57	11.58	11.59	11.57	11.55	11.53	11.56	11.60	11.60	11.60	11.60
38 0	11.61	11.57	11.59	11.60	11.60	11.57	11.53	11.56	11.60	11.61	11.60	11.60
43 0	11.60	11.56	11.60	11.60	11.60	11.57	11.54	11.56	11.60	11.58	11.60	11.60
48 0	11.60	11.56	11.60	11.60	11.60	11.57	11.54	11.57	11.60	11.60	11.60	11.60
53 0	11.61	11.56	11.60	11.60	11.60	11.56	11.54	11.58	11.60	11.61	11.60	11.60
58 0	11.61	11.55	11.61	11.60	11.57	11.53	11.54	11.60	11,60	11.60	11.60	11.60
Therm.	85°0	85°5	85°8	85°4	84°9	84°0	83°7	83°2	83°0	82°7	82°6	82°2

TERM-DAY OBSERVATIONS, ON THE 29TH OF NOVEMBER 1861.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	28'378	27'967	27'898	28'172	28'035	27'967	28'790	28'721	28'996	28'721	28'447	28'378
5 0	28.104	28.035	27.898	28.172	28.035	27.967	28.858	28.721	28.927	28.721	28·378	28.378
10 0	28.104	28.035	27.967	28.035	28.104	27.967	28.996	28.721	28.927	28.653	28.172	28.378
15 0	27.967	27.967	27.967	28.035	27.967	27.692	29.133	28.721	28.996	28.653	28.378	28.447
20 0	27.829	27.967	28.035	28.172	27.967	27.624	29.133	28·996	28.996	28.584	28.584	28.447
25 0	27.761	27.967	27.898	28·104	27.761	27.555	29.201	28.996	29.064	28·584	28.721	28.447
30 0	27.967	27.967	27.898	28.104	27.761	27·692	29·064	28.996	29.064	28.584	28.721	28.515
35 0	28.035	27.967	27.967	28.172	27.692	27.692	28.996	29.133	28.996	28.515	28.653	28.653
40 0	28.104	27.967	28.104	28.035	27.624	27.967	28.996	29.064	28.927	28.515	28.584	28.653
45 0	28.104	28.035	28.035	27.967	27.967	28.310	28.996	29.064	28.927	28.515	28.515	28.721
50 0	28.035	28.310	28.035	27.967	27.967	28.653	28.996	28.996	28.790	28.447	28.515	28.721
55 0	27.967	28.104	28.104	27.967	27.761	28.927	28.858	28·996	29.790	28·447	28.447	28.721

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	21.03	21.05	21.12	21.14	21.31	21.50	21·60	21.65	21.53	21.41	21.15	20.84
7 0	21.00	21.05	21.10	21.12	21.30	21.45	21.64	21.65	21.49	21.40	21.13	20.80
12 0	21.00	21.00	21.10	21.10	21.32	21.45	21.66	21.65	21.49	21.37	21.16	20.77
17 0	21.00	20.96	21.11	21.09	21.37	21.56	21.70	21.65	21.47	21.35	21.13	20.77
22 0	21.05	20.96	21.12	21.07	21.40	21·54	21.70	21.60	21.45	21.36	21.09	20.76
27 0	21.08	20.96	21.14	21.11	21.35	21.58	21.72	21.52	21.46	21.37	21.05	20.72
32 0	21.05	20.98	21.11	21.16	21.50	21.63	21.70	21.50	21.42	21.35	21·00	20.68
37 0	21.02	20.93	21.10	21.20	21.40	21.64	21·66	21.50	21.44	21.32	20.92	20.62
42 0	21.09	20.98	21.10	21.22	21.40	21.60	21.66	21.52	21.44	21·27	20.90	20.58
47 0	21.04	21.05	21.13	21.21	21.70	21.60	21.61	21.52	21.44	21.24	20.86	20.56
52 0	21.00	21.10	21.12	21.23	21.50	21.58	21.60	21.50	21.44	21.20	20.86	20.52
57 0	21.03	21.12	21.13	21.27	21.50	21.56	21.66	21.49	21.42	21.18	20.88	20.52
Therm.	78°0	78°0	77°4	77°0	77°0	77°0	77°0	78°5	79°9	80°8	81°9	82°9

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	11.45	11.50	11 50	11.50	11.50	11.53	11.50	11.50	11.50	11.50	11.30	11.24
8 0	11.47	11.50	11.50	11.50	11.50	11.51	11.50	11.50	11.50	11.50	11.30	11.24
13 0	11.50	11.50	11.50	11.50	11.50	11.51	11·50	11.50	11.50	11.45	11.30	11.24
18 0	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.38	11.30	11.24
23 0	11.50	11.50	11·50	11.50	11.52	11.50	11.50	11.50	11.50	11.36	11.28	11·24
28 0	11.50	11·50	11.50	11.50	11.52	11.49	11.51	11.50	11.50	11.34	11.27	11.25
33 0	11.50	11.50	11.50	11.50	11.54	11·49	11.51	11.50	11.50	11.34	11.25	11.25
38 0	11.50	11·50	11.50	11.50	11.55	11·49	11.52	11.50	11.50	11.32	11.25	11.22
43 0	11.50	11.50	11.50	11.52	11.55	11.50	11.51	11.50	11·50	11.32	11.25	11.22
48 0	11·50	11.50	11.50	11·52	11.54	11.50	11.50	11.50	11.50	11.36	11·24	11.22
53 0	11.50	11.50	11 50	11.54	11.54	11.50	11.50	11.50	11.50	11.30	11.24	11.22
58 0	11.50	11.50	11.50	11 52	11.53	11.50	11.50	11.50	11.50	11.30	11.24	11.22
Therm.	78°6	78°1	78°0	77°6	77°3	77°4	77°4	77°5	78°0	78°9	79°8	80°9

TERM-DAY OBSERVATIONS, ON THE 29TH OF NOVEMBER 1861.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	28.790	28.653	28.858	28.858	29.064	29.270	29.133	28.927	28.858	28.927	28.790	28.996
5 0	28.858	28.653	28.858	28.927	29.064	29.270	29.133	28.927	28.858	28.927	28.721	28.996
10 0	28.858	28.653	28.721	28.927	29.133	29.270	29.064	28.790	28.790	28.996	28.721	28.927
15 0	28.790	28.790	28.721	28.927	29.133	29.270	29.064	28.790	28.790	28.996	28.790	28.721
20 0	28.721	28.721	28.927	28.721	29.133	29.270	29.064	28.721	28.790	29.064	28.790	28.653
25 0	28.653	28.721	28.858	28.721	29.133	29.270	29.064	28.721	28.858	29.064	28.653	28.653
30 0	28.653	28.721	28.858	28.927	29.201	29.201	29.064	28.653	28.996	29.064	28.653	28.584
35 0	28.653	28.721	28.721	28.858	29.201	29.133	28.996	28.721	28.986	28.996	28.653	28.584
40 0	28.790	28.721	28.858	28.858	29.201	29.133	28.996	28.790	28.927	28.858	28.653	28.584
45 0	28.858	28.721	28.858	28.927	29.201	29.133	28.996	28.790	28.927	28.790	28.858	28.515
50 0	28.858	28.721	28.927	28.996	29.201	29.133	28.996	28.790	28.927	28.790	28.858	28.515
55 0	28.790	28.721	28.927	28.996	29.270	29.133	28.996	28.790	28.927	28.858	28.858	28.447

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	20.52	20.18	20.15	20.15	20.10	19.96	20.15	20.20	20.25	20.45	20.65	20.70
7 0	20.50	20.14	20.15	20.16	20.09	19.95	20.20	20.20	20.26	20.46	20.63	20.72
12 0	20.47	20.14	20.15	20.16	20.09	19.92	20.20	20.18	20.26	20.44	20.64	20.74
17 0	20.43	20.15	20.13	20.16	20.07	19.90	20.18	20.16	20.24	20.45	20.65	20.70
22 0	20.40	20.10	20.16	20.13	20.05	19.88	20.16	20.18	20.25	20.48	20.65	20.70
27 0	20.38	20.05	20.14	20.14	20.05	19.90	20.16	20.20	20.25	20.50	20.60	20.72
32 0	20.33	20.06	20.13	20.15	20.02	19.93	20.15	20.20	20.28	20.52	20.56	20.70
37 0	20.32	20.05	20.11	20.15	20.00	19.95	20.15	20.20	20.32	20.56	20.56	20.74
42 0	20.30	20.05	20.14	20.14	19.97	19.96	20.15	20.23	20.36	20.60	20.54	20.75
47 0	20.27	20.05	20.16	20.13	20.00	20.00	20.15	20.25	20.39	20.62	20.60	20.77
52 0	20.25	20.07	20.15	20.11	20.00	20.06	20.15	20.20	20.41	20.63	20.66	20.80
57 0	20.24	20.07	20.13	20.12	20.00	20.10	20.18	20.23	20.43	20.66	20.70	20.85
Therm.	83°8	83°8	82°6	81°5	80°7	80°1	79°8	79°5	79°0	78°6	78°0	78°0

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	11.22	11.24	11.25	11.26	11.30	11.28	11.31	11.32	11.36	11.38	11.38	11.40
8 0	11.22	11.24	11.25	11.25	11.30	11.28	11.31	11.32	11.38	11.38	11.38	11.40
13 0	11.22	11.24	11.25	11.28	11.30	11.28	11.31	11.34	11.38	11.38	11.38	11.40
18 0	11.24	11.24	11.25	11.28	11.30	11.28	11.30	11.34	11.36	11.38	11.38	11.40
23 0	11.25	11.24	11.25	11.28	11.30	11.28	11.30	11.34	11.36	11.38	11.38	11.40
28 0	11.25	11.24	11.25	11.28	11.30	11.29	11.30	11.34	11.36	11.38	11.40	11.40
33 0	11.25	11.24	11.25	11.28	11.30	11.29	11.30	11.33	11.36	11.38	11.40	11.40
38 0	11.26	11.24	11.25	11.28	11.30	11.30	11.30	11.32	11.36	11.38	11.40	11.40
43 0	11.26	11.26	11.25	11.28	11.30	11.30	11.30	11.32	11.36	11.38	11.40	11.40
48 0	11.25	11.28	11.25	11.28	11.30	11.30	11.30	11.34	11.35	11.36	11.40	11.40
53 0	11.24	11.26	11.25	11.28	11.30	11.30	11.30	11.34	11.35	11.36	11.40	11.41
58 0	11.24	11.24	11.25	11.29	11.30	11.31	11.31	11.35	11.36	11.38	11.40	11.41
Therm.	81°9	82°1	82°0	81°7	81°0	80°5	80°0	79°6	79°0	78°6	78°5	78°4

TERM-DAY OBSERVATIONS, ON THE 18TH OF DECEMBER 1861.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	28·584	28·653	28·584	27·967	27·967	27·075	27·898	29·339	30·025	30·025	30·299	30·299
5 0	28.790	28.653	28.584	27.967	28.172	27.006	27.967	29.476	30.025	30.162	30.093	30.162
10 0	28.653	28·653	28.721	27.967	28.104	27.006	28.378	29.544	30·025	30.436	30.093	30.025
15 0	28.996	28.653	28·584	27.967	28.241	26·938	28.378	29.682	30.025	30·642	30.162	30.025
20 0	29.133	28 653	28.310	27.967	28.104	26.938	28.310	29.750	30.025	30.368	30.162	30·025
25 0	28.721	28.653	28.310	27.967	27.967	26.938	28.378	29.819	30·025	30.368	30.299	30.025
30 0	28.653	28.653	28.310	27.967	27.898	27.075	28.584	29.887	30.025	30.436	30.299	29.956
35 0	28.584	28.653	28.172	27.967	27.692	27.349	28.653	28.956	30.025	30.642	30.299	29.819
40 0	28.447	28.721	27.967	27.967	27.555	27.761	28.653	30·162	30.025	30.436	30.368	29.682
45 0	28.447	28.584	27.967	27.967	27.555	27.692	28.927	30·230	30.025	30.573	30.368	29.476
50 0	28.721	28.310	27.967	27.967	27.349	27.761	29.201	30.299	30.025	30.368	30.368	29.201
55 0	28.653	28.310	28.104	27.967	27.212	27.967	29.339	30.093	30.025	30.162	30.368	29.133

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	21.20	21.15	21.20	21.25	21.30	21.60	21.69	21.72	21.70	21.50	20.97	20·67
7 0	21.18	21·15	21.24	21.25	21.35	21·62	21.67	21.70	21.65	21.40	20·95	20.66
12 0	21.12	21.17	21·28	21.25	21·38	21.64	21.65	21.69	21.65	21.35	20.90	20.63
17 0	21.06	21.18	21.26	21.25	21.37	21.65	21.70	21.69	21.60	21.28	20.85	20.65
22 0	21.02	21.20	21.24	21.28	21.35	21.68	21.68	21.69	21·50	21·31	20.84	20,65
27 0	21.10	21.22	21.22	21.34	21.40	21.69	21·68	21.67	21.38	21.32	20.81	20.72
32 0	21.15	21.19	21.22	21.38	21.45	21.67	21.73	21.63	21.87	21.28	20.76	20.70
37 0	21.14	21.19	21.24	21.36	21·50	21·68	21.73	21.62	21.40	21.25	20.72	20.65
42 0	21.10	21.20	21.26	21.36	21.56	21.70	21.73	21.64	21.45	21.18	20.66	20.60
47 0	21·07	21·15	21.26	21.38	21.60	21.67	21·75	21·65	21.48	21.10	20.68	20.55
52 0	21.10	21.15	21.25	21.30	21.63	21.65	21.77	21.65	21·53	21.02	20.71	20.48
57 0	21.12	21.15	21·25	21.30	21.61	21.66	21.77	21.65	21.53	20.99	20.69	20.36
Therm.	75°6	75°8	75°6	75°2	74°8	74°7	75°6	77°0	78°4	79°9	81°0	81°9

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	24.92	24.94	24.92	24.90	25.00	24.95	25·15	25.20	24.94	24.87	24·66	24.58
8 0	24.92	24.94	24.92	24.90	24.98	24.95	25.15	25.20	24.92	24.90	24.60	24.55
13 0	24.92	24.94	24.94	24.90	24.96	24.95	25·15	25.20	24.94	24.90	24.62	24.55
18 0	24.92	24.94	24.92	24.92	24.96	24.95	25·15	25.18	24.96	24.90	24.62	24.56
23 0	24.92	24.93	24.90	24.92	24.96	24.95	25.16	25.17	24.99	24.80	24.64	24.56
28 0	24.93	24.93	24.90	24.94	24.95	24.98	25.16	25.16	25.00	24.80	24.65	24.54
33 0	24.93	24.93	24.90	24.96	24.94	25.02	25.16	25.14	25.00	24.80	24.65	24.52
38 0	24.94	24.93	24.90	24.96	24.92	25.05	25.16	25.11	24.97	24.77	24.64	24.50
43 0	24.94	24.92	24.90	24.96	24.92	25.08	25.16	25.08	24.93	24.75	24·64	24.50
48 0	24.94	24.92	24·89	24.93	24.94	25.12	25.16	25.02	24.90	24.72	24.62	24.52
53 0	24.94	24.92	24.89	25.00	24.95	25.15	25.18	25.00	24.87	24.70	24.62	24.56
58 0	24.94	24.92	24.90	25.00	24.95	25.15	25.18	24.97	24.85	24·69	24.60	24 58
Therm.	76°3	76°2	76°2	75°8	75°2	75°2	75°3	76°0	76°8	77°6	78°7	79°1

TERM-DAY OBSERVATIONS, ON THE 18TH OF DECEMBER 1861.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	28'996	28'653	28'721	29'682	29'407	29'613	28'996	29'476	30'368	32'220	32'769	32'083
5 0	28.790	28.653	28.653	29.613	29.750	29.613	29.201	29.476	30.368	32.083	32.563	31.877
10 0	28·653	28·584	28.790	29.339	29.613	29.544	29.339	29·476	30.505	32.083	32.563	31.945
15 0	28·653	28·584	28.996	29.270	29.544	29.544	29.544	29.476	30.368	31.877	32.837	31.740
20 0	28.584	28.447	28.996	29.133	29.544	29.544	29.682	29.819	30.779	31.191	33.043	31.945
25 0	28·584	28·447	29.133	29.339	29.407	29.544	29.750	30.025	31.054	31.397	33.112	31.740
30 0	28·310	28.378	28.996	29.339	29.407	29.544	29.887	30.093	31.054	31.397	33.112	31.534
35 0	28.447	28·515	28.996	29.407	29.407	29.201	29.887	29.133	31.191	31.740	33.043	31.465
40 0	28·447	28.653	29·064	29.407	29.407	28.996	29.887	29.201	31.740	32.220	32.769	31.054
45 0	28·584	28.584	29 407	29.407	29.544	28.996	29.613	29.201	31.945	32.426	32.906	30.711
50 0	28.721	28 515	29.682	29.407	29·613	28.858	29.476	29.407	32.220	32.288	32.837	30.368
55 0	28·653	28.584	29.682	29·407	29·613	28.858	29.476	29.407	32.563	32.426	32.769	30·505

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	20.29	20.65	20.05	19.95	20.25	20.48	19.92	20.55	19.45	19·40	17.90	17.85
7 0	20.30	20.65	20.00	19.90	20.28	20.46	19.88	20.40	19.43	19.20	17.80	17.92
12 0	20.31	20.60	19.94	19·90	20.31	20.42	19.85	20.10	19.50	19.10	17.72	17.97
17 0	20.32	20.53	19·90	19.92	20 33	20.40	19.85	20.00	19.60	18.90	17.60	17.88
22 0	20.34	20.50	19.88	19.98	20.35	20.36	19.84	19.55	19.70	18.72	17.52	17.96
27 0	20.38	20.40	19.90	20.06	20.36	20.35	19.83	19.53	19.80	18.62	17.45	18.10
32 0	20.40	20.30	19·90	20.10	20.40	20.37	19.83	19.52	19.82	18.62	17.40	18.35
37 0	20.42	20.18	19·90	20.10	20.46	20.50	19.90	19.55	19.82	18.50	17.60	18.62
42 0	20.50	20.18	19.92	20.10	20.52	20 70	20.00	19.51	19.84	18.70	17.70	18.90
47 0	20.60	20.17	19.90	20.18	20 56	20.65	20.17	19.49	19.76	18.35	17.65	19.20
52 0	20.70	20.15	19.95	20.20	20.53	20.55	20.37	19.58	19.66	18.00	17.72	19.38
57 0	20.72	20.14	19.95	20.24	20.50	20·10	20.57	19.60	19.50	17.80	17.78	19.50
Therm.	82°5	83°0	82°2	81°0	79°6	79°0	78°5	77°6	77°0	76°5	76°2	75°8

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	24.56	24.50	24.34	24.48	24.65	24.72	24.85	24·78	24.78	25.10	25.20	25.15
8 0	24 55	24.47	24.36	24.50	24·62	24.72	24.90	24.78	24.80	25.04	25.26	25.15
13 0	24.54	24.46	24.38	24.50	24.66	24.72	24.91	24.78	24.85	25.00	25.30	25.15
18 0	24.52	24.44	24 40	24.50	24.68	24.72	24.91	24.80	24.88	24.92	25.30	25.15
23 0	24.50	24.42	24.40	24.50	24.70	24.74	24.92	24.80	24.94	24·90	25.34	25.15
28 0	24.50	24.40	24.40	24.56	24.70	24.74	24.92	24.82	24.94	24.98	25.35	25.15
33 0	24.48	24.40	24.40	24.55	24.70	24.74	24.93	24.82	24.96	25.04	25 35	25.15
38 0	24.45	24.40	24.40	24.60	24.70	24.72	24.90	24.80	24.98	25.08	25.28	25.15
43 0	24.45	24.38	24.40	24.60	24·70	24.70	24.88	24.78	25.05	25.10	25.25	25.15
48 0	24.45	24.37	24.45	24.64	24.70	24.74	24.84	24.77	25.10	25.15	25.20	25.15
53 0	24.45	24.34	24.50	24.66	24.70	24.78	24.80	24.77	25.14	25.10	25.18	25.15
58 0	24.44	24.34	24.50	24.65	24.72	24.80	24.78	24.76	25.10	25.10	25.15	25.12
Therm.	80°0	80°8	81°0	80°5	79°6	79°0	78°5	78°0	77°6	77°0	76°9	76°6

REGISTER OF DISTURBANCE OBSERVATIONS.

DISTURBANCE OBSERVATIONS, 1861.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Jan. 22nd.	9.00	25·189	23·87	20.75	12.70	72°5	70°0	10.70	73°5
	9.15	25.051	23.76	20.91	12.80	72.4	70.0	10.80	73.4
	9.30	25.875	24.18	20.80	12.60	72.2	69.7	10.90	73.3
	9.45	26.080	24.59	20.65	12.40	72.2	69.4	11.00	73.1
	10.00	26.492	24.92	20.55	12.35	72.0	69.2	11.10	73.0
	10.15	26.835	25.12	20.60	12.40	72.0	68.8	11.10	73.0
	10.30	26.904	25.12	20.50	12.30	71.9	68.6	11.20	72.8
	10.45	26.218	24.85	20.70	12.50	71.7	68.3	11.20	72.6
	11.00	25.875	24.39	20.95	12.75	71.5	68.2	11.20	72.5
	11.15	25.532	24.13	20.90	12.70	71.3	68.0	11.15	72.3
	11.30	25.189	23.97	20.80	12.60	71.0	67.7	11.10	72.0
	11.45	25.394	23.87	20.80	12.60	71.0	67.3	11.05	72.0
	12.00	25.532	23.87	20.80	12.60	70.9	67.2	11.00	72.0
	12.15	25.394	23.66	20.76	12.55	70.6	67.0	11.10	71.9
	12.30	25.532	23.71	20.75	12.52	70.4	66.9	11.18	71.8
	12.45	25.257	23.76	20.81	12.40	70.4	66.9	11.10	71.8
	13.00	25.120	23.50	20.90	12.70	70.4	66.9	11.10	71.7
	13.30	24.846	23.08	21.20	13.08	70.2	66.8	11.14	71.6
	14.00	25.120	23.08	21.48	13.40	70.0	66.2	11.25	71.2
	14.30	25.257	23.61	21.36	13.30	69.8	66.1	11.40	71.0
	15.00	25.669	23.92	21.23	13.22	69.6	66.0	11.55	70.8
	15.30	25.737	24.13	21.36	13.30	69.6	65.6	11.62	70.6
	16.00	26.972	25.54	21.49	13.48	69.2	65.7	11.71	70.5
Jan. 23rd.	0.00	27.590	25.85	20.17	12.22	78.4	74·6	8.60	77.0
	0.15	27.315	25.02	20.11	12.22	78.2	74.5	8.55	77.1
	0.30	26.972	25.02	20.15	12.22	78.0	74.5	8.50	77.2
	0.45	26.561	24.39	20.10	12.10	77.7	74.4	8.48	77.2
	1.00	26.286	24.28	20.05	12.02	77.5	74.2	8.40	77.1
	1.30	25.737	24.13	20.03	12.00	77.0	74.0	8.36	76.6
	2.00	26.423	24.65	19.91	11.70	76.5	73.7	8.43	76.3
	2.30	26.629	24.92	19.85	11.70	76.1	73.5	8.60	76.1
	3.00	26.492	24.92	19.93	11.85	75.9	73.2	8.72	75.6
	3.30	26.423	24.59	20.01	11.98	75.6	73.1	8.72	75.5
	4.00	26.492	24.49	20.19	12.12	75.3	73.1	8.86	75.3
Jan. 24th.	10.00	26.629	24.39	20.35	11.90	73.5	70.9	8.90	74.0
	10.15	26.492	24.65	20.20	11.70	73.5	70.8	8.90	74.0
	10.30	26.766	24.92	20.10	11.40	73.4	70.7	9·00	74·0
	10.45	26.835	24.75	20.40	11.50	73.4	70.6	9.00	74.0
	11.00	27.041	25.44	20.12	11.60	73.3	70.6	9.10	74.0
	11.15	27.247	25.59	20.20	11.70	73.2	70.5	9.10	73.8
	11.30	26.218	25.44	20.35	11.70	73.2	70.4	9.10	73.8
	11.45	26.149	25.28	20.10	11.44	73.2	70.2	9.05	73.6

DISTURBANCE OBSERVATIONS, 1861.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Jan. 24th.	12.00	27·109	25·44	20.05	11.33	73°2	70°0	9.07	73°6
	12.15	27.247	25.59	20.02	11.30	73.1	69.9	9.08	73.4
	12.30	27.247	25.59	19.95	11.22	73.0	69.8	9.10	73.3
	12.45	27.178	25.44	19.97	11.25	73.0	69.7	9.12	73.3
	13.00	26.904	25.44	19.91	11.20	72.9	69.4	9.12	73.3
	13.15	26.766	25.38	20.06	11.38	72.8	69.2	9.14	73.3
	13.30	25.532	24.18	20.22	11.72	72.6	69.0	9.05	73.3
	13.45	26.218	24.65	20.20	11.63	72.6	69.0	9.10	73.3
	14.00	26.561	25.18	20.25	11.70	72.6	69.0	9.20	73.3
	14.15	26.698	25.28	20.24	11.70	72.5	69.0	9.18	73.3
	14.30	26.080	24.13	20.30	11.80	72.6	68.9	9.08	73.3
	14.45	26.080	24.13	20.35	11.82	72.7	68.9	9.15	73.3
	15.00	25.326	23.92	20.41	12.00	72.9	68.9	9.10	73.1
	15.15	25.669	23.97	20.59	12.25	73.0	68.9	9.12	73.1
	15.30	25.257	23.87	20.56	12.25	73.0	69.0	9.20	73.0
	15.45	25.532	23.92	20.60	12.29	73.1	69.0	9.20	73.0
	16.00	25.326	23.87	20.66	12.30	73.2	69.1	9.22	73.1
	16.30	25.257	23.35	21.03	13.00	73.8	70.0	9.08	73.2
	17.00	25.326	23.50	21.10	12.80	74.4	70.2	9.00	73.4
Jan. 25th.	7.00	27.795	26.06	20.04	11.56	76.0	74.4	9.10	76.5
	7.15	28.138	26.37	20.12	11.90	75.8	74.2	9.15	76.2
	7.30	27.590	25.44	19.88	11.40	75.8	74.0	9.08	76.1
	7.45	27.727	25.96	19.72	11.30	75.7	74.0	9.15	76.0
	8.00	27.315	25.90	19.73	11.10	75.8	74.0	9.15	76.0
	8.15	27.933	26.22	19.51	10.70	75.9	74.0	9.20	76.0
	8.30	27.555	25.08	19.60	10.85	75.9	73.9	9.10	76.0
	8.45	27.178	25.96	19.70	11.00	75.8	73.8	9.00	76.0
	9.00	27.380	26.48	19.72	11.10	75.8	73.8	9.08	75.5
	9.15	27.658	25.96	19.68	11.15	75.7	73.7	9.15	75.5
	9.30	27.658	26.22	19.74	11.20	75.6	73.7	9.15	75.5
	9.45	28.001	26.48	19.55	11.00	75.5	73.6	9.25	75.4
	10.00	27·315	26.48	19.51	10.88	75.4	73.6	9.10	75.4
	10.15	27.452	25.96	19.55	10.80	75.4	73.5	9.13	75.3
	10.30	27.247	24.92	20.05	11.20	75.2	73.3	9.10	75.2
	10.45	26.629	24.39	19.82	11.15	75.0	73.1	9.10	75.2
	11.00	26.355	24.28	19.93	11.35	75.0	72.8	9.12	75.1
	11.15	26.268	23.35	19.79	11.25	74.9	72.7	9.15	75.1
	11.30	25.943	23.87	19.85	11.40	74.9	72.5	9.20	75.0
	11.45	25.532	24.23	20.05	11.60	74.8	72.4	9.18	75.0
	12.00	24.983	23.35	20.15	11.65	74.7	72.0	9.15	74.9
	12.15	25.463	23.35	20.17	11.69	74.5	72.0	9.17	74.9
	12.30	24.846	22.82	20.30	12.00	74.4	71.9	9.20	74.9
	12.45	25·051	23.02	20.45	12.20	74.2	71.5	9.26	74.7
	13.00	25.189	23.18	20.65	12.38	74.0	71.2	9.32	74.5
Feb. 27th.	3.00	25.326	24.39	18.87	11.25	85.3	83.1	7.50	85.3
	3.15	25.257	24.13	18.85	11.28	85.0	83.0	7.50	85.0
	3.30	25.120	24.07	18.64	11.00	85.0	83.0	7.50	85.0
	3.45	25.120	24.07	18.50	10.90	84.9	83.0	7.50	85.0
	4.00	25.257	24.39	18.58	10.50	84.8	82.6	7.50	84.8
	4.15	25.532	24.13	18.20	10.20	84.0	82.2	7.52	84.7
	4.30	25.669	24.13	18.02	10.00	83.9	82.2	7.55	84.6
	4.45	26.012	24.39	18.25	10.35	83.7	82.1	7.55	84.5
	5.00	26.149	24.92	18.50	10.70	83.7	82.1	7.56	84.5
	5.15	26.149	24.92	18.47	10.68	83.7	82.1	7.56	84.4
	5.30	26.080	24.80	18.56	10.74	83.7	82.0	7.58	84.4
	5.45	26.080	24.80	18.54	10.72	83.6	82.0	7.60	84.4

DISTURBANCE OBSERVATIONS, 1861.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. uncorrected.	Sc. Read. uncorrected.			Sc. Read. uncorrected.	
Feb. 27th.	6.00	26·561	25·44	18.25	10.20	83·4	81·7	7.70	84·2
	6.15	26.835	25.64	18.22	10.00	83.4	81.3	7.78	83.9
	6.30	27.178	26.16	18.10	9.92	83.2	81.1	7.80	83.8
	6.45	27.384	26.22	18.15	9.95	83.1	81.1	7.85	83.7
	7.00	27.795	26.37	17.80	9.30	83.1	81.0	7.84	83.6
	7.15	27.933	26.42	17.85	9.28	83.0	81.0	7.84	83.6
	7.30	28.138	26.58	18.13	9.50	82.9	81.0	7.85	83.5
	7.45	28.070	26.68	18.20	10.00	82.7	80.7	7.80	83.4
	8.00	28.207	26.79	18.70	10.98	82.5	80.5	7.72	83.2
	8.15	28.619	26.63	19.14	11.28	82.2	80.3	7.75	83.1
	8.30	28.138	26.68	19.25	11.39	82.1	80.3	7.73	83.0
	8.45	28.416	26.79	19.10	11.12	81.9	80.2	7.72	82.9
	9.00	28.207	26.74	18.93	10 80	81.8	80.0	7.70	82.8
	9.15	28.070	26.42	18.82	10.71	81.9	80.0	7.70	82.8
	9.30	28.138	26.47	18.74	10.60	81.8	80.0	7.70	82.8
	9.45	28.001	26.37	18.60	10.46	81.8	79.9	7.69	82.7
	10.00	28.070	27.01	18.65	10.60	82.0	79.8	7.74	82.6
	10.15	28.001	26.79	18.75	10.67	81.9	79.7	7.75	82.5
	10.30	28.207	27.21	18.70	10.62	81.8	79.5	7.72	82.3
	10.45	28.619	27.53	18.60	10.53	81.8	79.4	7.70	82.3
	11.00	28.962	27.79	18.73	10.60	81.7	79.3	7.70	82.2
	11.15	28.687	27.58	18.67	10.72	81.5	79.2	7.70	82.2
	11.30	28.550	27.42	18.79	10.69	81.4	79.2	7.69	82.1
	11.45	28.344	27.27	18.86	10.80	81.2	79.0	7.70	82.0
	12.00	28.276	27.16	18.82	10.84	81.0	78.8	7.68	81.9
	12.15	29.030	27.42	18.80	10.80	80.8	78.6	7.70	81.9
	12.30	29.030	27.27	18.78	10.80	80.5	78.6	7.70	81.6
	12.45	28.619	27.16	19.50	11.50	80.6	78.4	7.72	81.3
	13.00	28.276	27.01	19.30	11.10	80.8	78.0	7.74	81.0
	13.15	28.276	27.01	19.60	11.60	80.5	78.0	7.75	81.0
	13.30	28.619	27.01	19.60	11.70	80.5	78.0	7.80	81.0
	13.45	28.619	27.01	19.50	11.50	80.5	78.0	7.80	81.0
	14.00	28.276	26.48	19.50	11.64	80.2	78.0	7.60	8.10
	14.15	28.070	26.27	19.53	11.67	80.0	77.8	7.60	81.0
	14.30	28.070	26.11	19.60	11.70	80.0	77.6	7.60	80.5
	14.45	28.619	26.74	19.55	11.70	79.7	77.3	7.60	80.5
	15.00	28.619	27.74	19.50	11.90	79.5	77.2	7.55	80.4
	15.15	28.276	26.48	19.63	12.00	79.6	77.0	7.50	80.2
	15.30	28.276	26.74	19.63	12.00	79.8	77.0	7.40	80.2
	15.45	28.001	26.48	19.60	12.00	80.0	77.0	7.40	80.5
	16.00	28.276	26.48	19.68	12.10	80.0	77.0	7.40	80.5
	16.15	28.344	26.48	19.81	12.27	80.0	77.0	7.31	80.5
	16.30	28.318	25.96	19.85	12.40	80.1	77.0	7.25	80.8
	16.45	27.041	25.02	19.92	12.40	80.3	77.1	7.22	80.8
	17.00	26.835	25.02	19.93	12.40	80.6	77.1	7.15	80.9
	17.15	26.423	24.92	19.95	12.42	80.9	77.5	7.10	81.0
	17.30	26.080	24.49	19.98	12.45	81.5	77.9	7.00	81.3
	17.45	25.463	24.13	20.00	12.48	82.0	78.0	7.05	81.5
	18.00	25.257	23.76	20.05	12.65	82.3	78.3	7.10	81.5
	18.15	25.463	23.87	20.18	12.80	82.6	78.5	7.12	81.7
	18.45	25.394	23.92	20.02	12.55	83.0	78.9	7.25	82.0
	19.00	25.189	23.81	20.00	12.60	83.5	79.1	7.20	82.3
	19.15	25.051	23.71	20.00	12.60	83.8	79.2	7.25	82.3
	19.30	25.051	23.66	19.90	12.60	83.9	79.4	7.36	82.5
	19.45	24.914	23.50	19.90	12.60	83.9	79.5	7.38	82.5
	20.00	24.776	23.35	19.86	12.60	84.1	80.0	7.50	82.8
	20.15	24.776	23.35	19.75	12.49	84.3	80.0	7.55	83.0
	20.30	24.570	23.08	19.75	12.47	84.5	80.2	7.50	83.0
	20.45	24.846	23.08	19.69	12.35	84.7	80.4	7.58	83·2
	21.00	24.846	23.40	19.56	12.15	84.8	80.5	7·65	83.6

DISTURBANCE OBSERVATIONS, 1861.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. M. P. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. uncorrected.	Sc. Read. uncorrected.			Sc. Read. uncorrected.	
Feb. 27th.	21.15	24·846	23·40	19.45	12.10	84°8	80°9	7.77	83°7
	21.30	25.051	23.55	19.40	12.02	84.8	81.1	7.78	83.9
	21.45	25.326	23.76	19.30	11.91	84.8	81.4	7.77	84.0
	22.00	25.394	24.13	19.20	11.74	84.9	81.7	7.75	84.0
	22.15	25.532	24.13	19.15	11.60	84.9	81.9	7.76	84.0
	22.30	25.257	23.76	18.97	11.38	85.0	82.0	7.71	84.1
	22.45	25.189	23.81	18.95	11.32	85.0	82.0	7.67	84.2
	23.00	25.051	23.71	19.02	11.38	85.0	82.0	7.56	84.4
	23.15	25.120	23.87	18.99	11.33	85.0	82.1	7.60	84.5
	23.30	25.120	23.92	19.01	11.40	84.9	82.0	7.63	84.6
	23.45	25.051	23.81	18.96	11.29	84.8	82.0	7.60	84.6
April 15th.	3.00	28.207	26.22	18.06	10.90	83.7	81.9	8.20	85.0
	3.15	28.207	26.22	18.10	10.80	83.5	81.8	8.32	84.9
	3.30	28.207	26.22	17.95	10.68	83.5	81.8	8.32	84.9
	3.45	28.344	26.32	17.97	10.78	83.3	81.6	8.36	84.6
	4.00	28.824	26.78	17.99	10.80	83.2	81.4	8.45	84.6
	4.15	28.344	26.27	18.10	10.94	83.2	81.5	8.30	84.6
	4.30	28.276	26.32	18.17	11.05	83.1	81.5	8.27	84.5
	4.45	28.276	26.32	18.25	11.20	83.1	81.5	8.30	84.5
	5.00	28.413	26.37	18.30	11.15	83.1	81.6	8.32	84.5
	5.15	28.070	26.27	18.27	11.07	83.2	81.6	8.34	84.5
	5.30	28.070	26.22	18.25	11.02	83.3	81.6	8.32	84.5
	5.45	28.962	27.21	18.18	10.93	83.4	81.7	8.40	84.5
	6.00	28.962	27.01	18.20	10.95	83.5	81.7	8.40	84.5
	6.15	28.132	26.37	18.17	10.96	83.5	81.8	8.28	84.4
	6.30	28.619	26.79	18.09	10.74	83.5	81.8	8.40	84.4
	6.45	28.550	26.74	18.05	10.70	83.5	81.9	8.35	84.4
	7.00	28.413	26.79	18.09	10.72	83.7	81.9	8.40	84.4
	7.15	28.413	26.74	18.12	10.76	83.7	81.8	8.40	84.4
	7.30	27.795	26.01	17.95	10.50	83.7	81.7	8.38	84.4
	7.45	28.132	26.37	18.08	10.73	83.8	81.6	8.40	84.4
	8.00	28.619	26.84	18.27	11.00	83.9	81.6	8.42	84.4
	8.15	28.619	26.84	18.30	11.10	83.9	81.6	8.40	84.4
	8.30	28.132	26.37	18.40	11.10	83.7	81.5	8.40	84.3
	8.45	28.132	26.11	18.42	11.20	83.6	81.4	8.40	84.2
	9.00	28.001	25.96	18.45	11.30	83.5	81.2	8.40	84.0
	9.15	28.001	25.96	18.46	11.35	83.5	81.1	8.40	84.0
	9.30	27.933	25.64	18.50	11.40	83.3	81.0	8.40	84.0
	9.45	27.864	25.64	18.80	11.40	83.2	80.8	8.46	83.9
	10.00	27.109	25.44	19.05	11.95	83.0	80.8	8.50	83.9
	10.15	26.904	25.28	19.08	12.00	83.0	80.8	8.60	83.9
	10.30	27.041	25.28	19.08	12.10	83.0	80.8	8.45	83.9
	10.45	27.041	25.23	19.08	12.10	83.0	80.8	8.50	83.9
	11.00	27.109	25.64	19.12	12.14	82.9	80.8	8.40	83.8
	11.15	27.109	25.44	19.14	12.15	82.9	80.7	8.40	83.7
	11.30	27.041	25.28	19.20	12.20	82.9	80.7	8.40	83.6
	11.45	27.109	25.64	19.40	12.40	83.0	80.7	8.42	83.6
	12.00	27.795	25.96	19.60	12.70	83.0	80.7	8.46	83.6
	12.15	27.864	25.96	19.68	12.75	82.8	80.7	8.48	83.6
	12.30	27.590	25.44	19.56	12.60	82.6	80.6	8.45	83.6
	12.45	27.521	25.38	19.50	12.48	82.4	80·4	8.45	83.5
	13.00	27.178	25.12	19.35	12.32	82.4	80.2	8.40	83.5
	13.15	27.109	25.12	19.22	12.18	82.4	80.1	8.42	83.5
	13.30	27.109	25.12	19.10	12.08	82.4	80.1	8.46	83.4
	13.45	27.452	25.44	19.00	11.92	82.4	80.1	8.50	83.4
	14.00	28.070	26.22	18.99	11.80	82.4	80.0	8.60	83.4
	14.15	28.481	26.74	18.98	11.85	82.5	80.1	8.62	83.4
	14.30	28.824	27.01	18.98	11.90	82.6	80.2	8.60	83.3

DISTURBANCE OBSERVATIONS, 1861.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
April 15th.	14.45	28·893	27·01	19.01	12.05	82·7	80·4	8.50	83·3
	15.00	29.030	27.27	19.07	12.20	82.9	80.6	8.52	83.4
	15.15	29.030	27.27	19.12	12.30	83.0	80.7	8.45	83.5
	15.30	29.030	27.27	19.21	12.48	83.1	80.8	8.30	83.5
	15.45	28.962	27.16	19.30	12.60	83.3	80.9	8·30	83.5
	16.00	29.030	27.01	19.55	13.00	83.6	81.1	8.20	83.8
	16.15	28.962	26.74	19.78	13.30	83.9	81.4	8.15	84.0
	16.30	28.619	26.63	19.80	13.38	84.0	81.5	8.14	84.0
	16.45	28.481	26.48	19.83	13.50	84.0	81.7	8.12	84.1
	17.00	28.276	26.11	20.10	13.92	84.1	81.7	7.98	84.1
	17.15	28.138	25.64	20.16	13.94	84.5	81.9	7.95	84.2
	17.30	27.864	25.44	20.20	14.08	84.6	82.0	7.86	84.3
	17.45	27.590	25.28	20.18	14.10	84.8	82.0	7.85	84.4
	18.00	27.109	25.18	20.22	14.20	85.0	82.1	7.85.	84.7
Sept. 16th.	0.00	31.486	27.79	18.23	12.45	83.7	81.2	10.05	84.5
	0.15	31.692	27.89	18·48	13.04	83.4	81.2	10.10	84.3
	0.30	31.418	27.68	18.59	13.10	83.3	81.2	10.10	84.2
	0.45	31.213	26.94	18.76	13.27	83.2	81.2	10.06	84.1
	1.00	30.664	26.84	18.85	13.36	83.0	81.1	10.06	84.0
	1.15	30.528	26.63	18.87	13.40	82.9	81.1	10.05	84.0
	1.30	30.528	26.58	18.84	13.36	82.6	80.9	10.05	83.8
	1.45	30.116	25.85	18.90	13.44	82.4	80.3	10.05	83.6
	2.00	29.638	25.64	19.00	13.48	81.8	80.1	10.10	83.2
	2.15	29.501	25.44	18.96	13.42	81.9	80.2	10.10	82.9
	2.30	29.227	25.38	19.00	13.45	81.9	80.1	10.10	82.9
	2.45	29.364	25.49	18.95	13.42	81.9	80.1	10.12	83.0
	3.00	29.569	25.64	18.97	13.45	81.9	80.0	10.12	83.0
	3.15	29.638	25.70	19.00	13.45	81.9	80.0	10.14	83.0
	3.30	30.116	26.16	19.05	13.52	81.8	80.0	10.14	82.9
	3.45	29.970	26.06	19.02	13.44	81.7	80.0	10.15	82.8
	4.00	30.116	26.27	19.02	13.45	81.6	80.0	10.15	82.6
	4.15	30.185	26.48	19.09	13.48	81.6	80.0	10.15	82.6
	4.30	30.116	26.27	19.11	13.50	81.5	80.0	10.15	82.5
	4.45	29.970	26.22	19.06	13.45	81.5	80.0	10.15	82.4
	5.00	29.843	25.96	19.00	13.30	81.5	80.0	10.10	82.5
	5.15	29.843	25.96	18.95	13.20	81.5	80.0	10.10	82.5
	5.30	29.843	25.96	19.10	13.28	81.5	80.0	10.10	82.4
	5.45	29.843	25.96	19.04	13.20	81.5	80.0	10 10	82.4
	6.00	29.911	26.27	19.08	13.30	81.5	80.0	10·15	82.3
	6.15	30.116	26.32	19.02	13.20	81.5	80.0	10.15	82.2
	6.30	29.911	26.27	19.06	13.30	81.5	80.0	10.15	82.2
	6.45	29.774	26.22	19.10	13.35	81.4	80.0	10.13	82.1
	7.00	29.843	26.37	19.10	13.30	81.4	80.0	10.10	82.1
	7.15	29.774	25.96	19.20	13.50	81.4	80.0	10.10	82.0
	7.30	29.774	26.48	19.17	13.45	81.4	80.0	10.10	82.0
	7.45	29.911	27.48	19.15	13.34	81.4	80.0	10.10	82.0
	8.00	29.638	25.96	19.22	13.55	81.4	80.0	10.10	82.0
	8.15	29.432	25.75	19.26	13.55	81.4	79.7	10.10	82.2
	8.30	29.432	25.75	19.25	13.55	81.3	79.7	10.10	82.2
	8.45	29.432	25.70	19.32	13.60	81.2	79.5	10.10	82.1
	9.00	29.843	26.16	19.41	13.75	81.1	79.3	10.10	81.9
	9.15	29.843	26.11	19.45	13.78	81.0	79.2	10.10	81.7
	9.30	29.843	26.11	19.47	13.80	80.8	79.1	10.10	81.5
	9.45	29.501	25.96	19.55	13.90	80.4	78.8	10.10	81.2
	10.00	29.432	25.54	19.65	14.02	80.1	78.7	10.12	81.0
	10.15	29.501	25.59	19.68	14.07	80.0	78.7	10.14	80.9
	10.30	29.090	25.12	19.80	14.28	80.1	78.7	10·14	80.9
	10.45	29.159	25.12	19.85	14.32	80.1	78.7	10.15	80.9

DISTURBANCE OBSERVATIONS, 1861.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Sept. 16th.	11.00	29·159	25·33	19.78	14.30	80°2	78°8	10.15	80°9
	11.15	29.432	25.59	19.88	14.38	80.2	78.8	10.15	81.0
	11.30	29.432	25.54	19.86	14.38	80.2	78.9	10.15	81.0
	10.45	29.432	25.70	19.92	14.32	80.3	78.8	10.15	81.0
	12.00	29.501	25.75	19.90	14.30	80.3	78.8	10.15	81.0
	12.15	29.501	25.70	19.90	14.31	80.3	78.8	10.15	80.9
	12.30	29.569	25.80	19.94	14.35	80.2	78.8	10.15	80.9
	12.45	30.948	26.11	19.88	14.30	80.1	78.6	10.15	80.9
	13.00	30.322	26.37	20.00	14.35	80.0	78.3	10.17	80.9
Oct. 10th.	00.00	30.801	27.27	19.45	14.10	85.6	81.2	11.15	86.0
	00.15	30.664	27.01	19.05	13.55	85.5	81.3	11.12	86.0
	00.30	30.664	27.01	18.95	13.50	85.5	81.3	11.12	86.0
	00.45	30.870	27.56	18.69	13.00	85.2	81.3	11.14	86.0
	1.00	31.213	27.79	18.20	12.25	85.0	81.3	11.15	85.8
	1.15	31.349	27.84	18.05	12.05	84.7	81.3	11.15	85.7
	1.30	30.459	27.27	17.90	11.60	84.5	81.3	11.15	85.5
	1.45	30.596	27.37	17.99	11.60	84.5	81.3	11.15	85.5
	2 00	30.322	27.27	17.75	11.25	84.2	81.1	11.05	85.4
	2.15	30.048	27.74	17.49	11.00	84.0	81.0	11.00	85.2
	2.30	30.596	27.27	17.30	10.65	84.0	81.0	11.00	85.0
	2.45	30.596	27.32	17.20	10.50	83.9	81.0	11.00	85.0
	3.00	30.322	27.27	17.21	10.56	83.9	81.0	11.02	84.9
	3.15	30.592	27.32	17.28	10.60	83.9	81.0	11.02	84.9
	3.30	30.808	27.32	16.95	10.20	83.7	81.0	11.04	84.7
	3.45	30.592	27.32	16.80	10.06	83.5	81.0	11.04	84.5
	4.00	31.760	27.79	16.96	10.15	83.4	81.0	11.04	84.5
	4.15	31.555	27.68	17.01	10.30	83.0	80.8	11.05	84.5
	4.30	31.418	27.58	17.15	10.42	83.0	80.6	11.02	84.4
	4.45	30.801	27.37	16 95	10.38	83.0	80 4	11.00	84.3
	5.00	30.664	26.89	18.00	11.90	83.0	80.3	11.02	84.3
	5.15	30.459	26.84	18.00	11.82	83.0	80.3	11.04	84.1
	5.30	30.595	26.94	18.04	11.71	82.9	80.3	11.05	84.0
	5.45	30.595	27.01	17.97	11.48	82.9	80.3	11.06	84.0
	6.00	30.733	27.27	17.87	11.34	82.8	80.2	11.04	84.0
	6.15	30.801	27.37	17.98	11.30	82.8	80.2	11.05	83.8
	6.30	30.733	27.27	17.86	11.34	82.6	80.1	11.06	83.7
	6.45	30.664	27.27	17.77	11.12	82.5	80.0	11.08	83.6
	7.00	31.075	28.15	17.64	10.90	82.4	80.0	11.06	83.6
	7.15	31.349	28.20	17.62	10.82	82.3	80.0	11.08	83.5
	7.30	31.213	27.84	18.07	11.65	82.2	80.0	11.08	83.5
	7.45	31.144	27.79	18.71	12.58	82.1	80.0	11.07	83.4
	8.00	31.281	28.10	18.97	12.76	82.4	80·0	11.08	83.4
	8.15	31.281	28.10	18.80	12.66	82.4	80.0	11.08	83.4
	8.30	30.801	27.53	18.40	12.00	82.4	80.0	11.10	83.2
	8.45	30.528	27.53	18.35	11.90	82.4	80.0	11.10	83.0
	9.00	30.322	26.48	18.80	12.70	82.4	80.0	11.10	83.0
	9.15	29.911	26.48	19.40	13.60	82.3	80.0	11.10	83.0
	9.30	29.638	26.27	19.55	13.90	82.2	80.0	11.02	83.0
	9.45	29.638	26.27	19.45	13.70	82.2	79.9	11.00	83.0
	10.00	29.638	25.96	19.15	13.20	82.0	79.9	11.00	83.0
	10.15	29.090	25.44	19.35	13.50	82.0	79.9	11.00	83.0
	10.30	29.090	25.96	19.45	13.60	82.0	79.7	11.00	83.0
	10.45	29.090	25.96	19.50	13.65	82.0	79.7	11.00	83.0
	11.00	28.542	25.18	19.57	13.65	82.0	79.7	11.00	83.0
	11.15	28.542	25.18	19.59	13.68	82.0	79.7	11.00	83.0
	11.30	28.884	25.44	19.55	13.60	81.9	79.5	11.00	83.0
	11.45	28.884	25.44	19.54	13.58	81.9	79.4	11.02	82.9
	12.00	28.747	25.44	19.50	13.50	81.9	79.5	11.05	82.7

DISTURBANCE OBSERVATIONS, 1861.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. uncorrected.	Sc. Read. uncorrected.			Sc. Read. uncorrected.	
Oct. 10th.	12.15	28·884	25·44	19.56	13.52	81·9	79·5	11.04	82·7
	12.30	28.747	25.44	19.30	13.25	81.8	79.4	11.04	82.7
	12.45	28.953	25.54	19.25	13.22	81.8	79.4	11.04	82.7
	13.00	29.474	24.92	19.40	13.55	81.8	79.3	11.05	82.7
	13.15	29.062	24.59	19.32	13.48	81.8	79.2	11.05	82.7
	13.35	29.474	24.97	19.00	13.10	81.8	79.1	11.05	82.7
	13.45	29.090	25.96	18.85	12.88	81.7	79.1	11.05	82.7
	14.00	29.774	27.01	18.80	12.60	81.7	79.0	11.05	82.7
	14.15	29.774	27.01	18.78	12.50	81.7	79.0	11.05	82.7
	14.30	29.970	27.27	18.68	12.45	81.7	79.0	11.05	82.7
	14.45	30.459	27.53	18.65	12.38	81.7	79.0	11.05	82.7
	15.00	31.281	28.31	18.55	12.20	81.7	79.0	11.06	82.6
	15.15	31.623	28.58	18.42	12.00	81.7	79.0	11.07	82.5
	15.30	31.692	28.78	18.52	12.15	81.8	79.0	11.07	81.5
	15.45	31.692	28.63	18.68	12.45	82.0	79.0	11.07	81.5
	16.00	31.897	28.68	18.69	12.45	82.1	79.0	11.05	82.6
	16.15	31.760	28.15	18.58	12.34	82.4	79.1	11.05	82.7
	16.30	31.692	28.05	18.62	12.40	82.5	79.2	11.05	82.7
	16.45	31.623	27.94	18.61	12.38	82.6	79.2	11.05	82.8
	17.00	31.281	27.84	18.64	12.40	83.0	79.4	11.04	82.9
	17.15	31.213	27.73	18.67	12.44	83.2	79.5	11.05	83.0
	17.30	31.349	27.84	18.41	12.25	83.5	79.6	11.05	83.2
	17.45	31.144	27.53	18.47	12.33	83.6	79.8	11.04	83.2
	18.00	31.007	27.42	18.56	12.50	83.7	79.9	11.04	83.3
	18.15	30.801	27.21	18.56	12.54	83.9	80.1	11.04	83.3
	18.30	30.322	26.74	18.64	12.64	84.3	80.4	11.04	83.5
	18.45	29.794	26.22	18.65	12.67	84.6	80.7	11.04	83.8
	19.00	29.364	25.59	18.70	12.96	84.8	81.0	11.03	84.0
	19.15	28.747	25.02	18.79	12.98	85.0	81.2	11.03	84.2
	19.30	28.610	24.75	18.81	13.04	85.1	81.5	11.02	84.4
	19.45	28.336	24.80	18.77	13.00	85.4	81.8	11.01	84.7
	20.00	27.994	24.75	18.79	13.00	85.5	81.9	11.00	84.9
	20.15	28.062	24.39	18.85	13.00	85.7	82.0	11.00	85.0
	20.30	28.062	24.65	18.92	13.30	85.9	82.0	11.00	85.0
	20.45	28.610	24.92	18.78	13.10	85.9	82.0	11.00	85.1
	21.00	28.679	25.02	18.71	13.15	86.0	82.2	11.00	85.2
	21.15	28.268	24.92	18.70	13.00	86.1	82.4	11.00	85.5
	21.30	28.405	25.75	18.60	12.95	86.2	82.7	11.00	85.7
	21.45	29.116	25.96	18.75	13.04	86.4	82.8	11.00	85.9
	22.00	29.432	25.90	18.75	13.18	86.3	82.9	11.00	86.0
	22.15	29.638	25.90	18.80	13.24	86.3	83.0	11.00	86.0
	22.30	29.295	25.96	18.85	13.30	86.4	83.0	11.00	86.1
	22.45	29.159	25.96	18.79	13.15	86.5	83.0	11.00	86.2
	23.00	29.159	25.96	18.83	13.22	86.5	83.1	11.00	86.5
	23.15	29.159	25.96	18.81	13.29	86.5	83.1	11.00	86.5
	23.30	29.159	25.96	18.86	13.30	86.3	83.1	11.00	86.5
	23.45	29.501	25.96	18.81	13.35	86.2	83.1	11.00	86.5
Oct. 11th.	00.00	29.569	25.96	18.88	13.30	86.2	83.0	11.04	86.7
	00.15	29.970	26.48	18.80	13.20	86.2	83.0	11.05	86.7
	00.30	29.970	26.48	18.77	13.10	86.1	82.9	11.04	86.7
	00.45	29.970	26.63	18.65	12.96	86.0	82.9	11.06	86.7
	1.00	29.911	26.74	18.62	12.90	85.6	82.6	11.10	86.6
	1.45	30.390	27.11	18.75	13.04	85.5	82.5	11.08	86.5
	1.30	30.528	27.27	18.82	13.10	85.2	82.2	11.08	86.4
	1 45	30.801	27.53	18.85	13.15	84.9	82.1	11.08	86.1
	2.00	30.664	27.42	18.75	12.98	84.6	82.1	11.08	85.9
	2.15	30.938	27.37	18.98	13.25	84.5	82.0	11.05	85.9
	2.30	30.801	27.27	18.90	13.25	84.4	82.0	11.05	85.8

DISTURBANCE OBSERVATIONS, 1861.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. E. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. uncorrected.	Sc. Read. uncorrected.			Sc. Read. uncorrected.	
Oct. 11th.	2.45	30·801	27·27	18.80	13.14	84°4	82°0	11.05	85°8
	3.00	30.733	27.27	18.80	13.18	84.2	81.8	11.06	85.6
	3.15	30.459	27.27	18.90	13.25	84.1	81.6	11.06	85.5
	3.30	30.459	27.27	18.95	13.25	84.0	81.5	11.06	85.4
	3.45	30.322	26.79	18.90	13.10	83.9	81.5	11.06	85.2
	4.00	30.116	26.58	18.89	13.10	83.8	81.4	11.08	85.0
	4.15	29.911	26.48	18.80	13.02	83.8	81.5	11.08	84.9
	4.30	29.970	26.63	18.84	13.00	83.8	81.5	11.08	84.9
	4.45	30.185	26.84	18.93	13.14	83.7	81.4	11.07	84.9
	5.00	29.774	26.06	19.37	14.00	83.6	81.4	11.07	84.8
	5.15	29.295	25.59	19.55	14.12	83.6	81.4	11.08	84.8
	5.30	29.021	25.49	19.50	14.08	83.5	81.4	11.09	84.8
	5.45	29.227	25.59	19.38	13.87	83.4	81.2	11.09	84.7
	6.00	29.569	26.01	19.30	13.72	83.4	81.1	11.08	84.6
	6.15	29.569	26.22	19.26	13.54	83.3	81.0	11.10	84.6
	6.30	29.638	26.16	19.19	13.40	83.2	81.0	11·10	84.6
	6.45	29.970	26.37	19.20	13.42	83.1	80.9	11.10	84.5
	7.00	29.911	26.37	19.40	13.82	83.0	80.8	11.11	84.4
	7.15	29.295	25.75	19.72	14.24	83.0	80.6	11.11	84.2
	7.30	29.090	25.64	19.56	13.87	83.0	80.4	11.11	84.0
	7.45	29.364	25.70	19.49	13.82	83.0	80.3	11.11	84.0
	8.00	29.638	26.16	19.45	13.76	83.0	80.2	11.12	84.0
	8.15	29.638	26.16	19.44	13.60	83.0	80.2	11.12	84.0
	8.30	29.774	26.16	19.45	13.60	83.0	80.1	11.10	83.9
	8.45	29.774	26.11	19.37	13.58	82.9	80.1	11.10	83.7
	9.00	29.774	25.96	19.40	13.60	82.8	80.1	11.10	83.6
	9.15	29.774	25.96	19.45	13.60	82.8	80.1	11.10	83.6
	9.30	29.774	25.96	19.50	13.60	82.8	80.1	11.10	83.5
	9.45	29.774	25.96	19.50	13.65	82.8	80.1	11.10	83.5
	10.00	29.774	26.48	19.45	13.60	82.9	80.1	11.10	83·5
	10.15	29.774	26.48	19.50	13.60	82.9	80.1	11.10	83.5
	10.30	29.569	25.96	19.45	13.60	83.0	80.0	11.10	83.5
	10.45	29.569	26.11	19.45	13.60	83.0	80.0	11.10	83.5
	11.00	29.432	25.96	19.50	13.70	83.0	80.0	11.10	83.5
	11.15	29.432	25.96	19.48	13.70	83.0	80.0	11.10	83.5
	11.30	29.090	25.75	19.60	13.80	83.0	80.0	11.10	83.5
	11.45	29.090	25.75	19.56	13.70	82.9	80.0	11.10	83.5
	12.00	29.159	26.06	19.55	13.70	82.8	80.0	11.10	83.3
	12.15	29.090	26.11	19.58	13.72	82.8	80.0	11.10	83.3
	12.30	29.159	26.11	19.54	13.72	82.7	79.9	11.10	83.2
	12.45	28.816	25.96	19.60	13.76	82.7	79.8	11.10	83·2
Oct. 24th.	10.00	30.801	27.53	18.85	12.80	81.0	78.0	11.60	82.0
	10.15	31.144	27.53	19.00	13.20	80.9	78.0	11.60	82.0
	10.30	30.801	27.53	19.05	13.40	80.9	78.0	11.60	82.0
	10.45	30.595	27.01	19.10	13.40	80.8	78.0	11.60	82.0
	11.00	30.801	27.53	19.15	13.10	80.8	78.0	11.60	82.0
	11.15	30.459	27.53	19.15	13.10	80.8	78.0	11.60	82.0
	11.30	30.801	27.53	19.25	13.20	80.8	77.9	11.60	82.0
	11.45	30.801	26.01	19.30	13.20	80.7	77.8	11.60	82.0
	12.00	30.801	25.01	19.30	13.28	80.7	77.8	11.60	81.9
	12.15	30.733	25.74	19.33	13.30	80.6	77·6	11.60	81.9
	12.30	29.774	25.70	19.35	13.35	80.3	77.4	11.62	81.7
	12.45	29.970	25.96	19.40	13.40	80.3	77.2	11.62	81.5
	13.00	30.116	25.96	19.40	13.42	80.3	77.2	11.61	81.5
	13.15	30.322	25.96	19.35	13.36	80.2	77.2	11.60	81.4
	13.30	30.253	26.96	19.36	13.36	80.2	77.2	11.60	81.4
	13.45	30.116	26.48	19.32	13.40	80.3	77.2	11.60	81.4
	14.00	30.253	26.48	19.30	13.40	80.3	77.2	11.62	81.4

DISTURBANCE OBSERVATIONS, 1861.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Oct. 24th.	14.15	30·253	26·43	19.36	13.49	80°3	77°2	11.60	81°4
	14.30	30.596	26.48	19.33	13.45	80.3	77.2	11.62	81.4
	14.45	29.843	26.48	19.28	13.35	80.4	77.3	11.60	81.4
	15.00	30.185	26.48	19.30	13.30	80.6	77.5	11.62	81.5
	15.15	30.116	26.48	19.30	13.50	80.6	77.5	11.61	81.5
	15.30	30.185	26.22	19.80	14.20	80.7	77.6	11.62	81.6
	15.45	30.116	26.27	19.70	14.10	80.8	77.6	11.63	81.6
	16.00	29.970	26.27	19.78	14.15	81.0	77.6	11.62	81.7
	16.15	29.774	26.22	19.81	14.04	81.1	77.8	11.62	81.7
	16.30	29.706	26.16	19.72	13.85	81.4	78.0	11.61	81.8
	16.45	29.638	25.85	19.64	13.80	81.6	78.2	11.62	81.8
	17.00	29.501	25.64	19.60	13.84	81.8	78·5	11.61	81.9
	17.15	29.569	25.75	19.54	13.78	82.0	78.7	11.61	82.0
	17.30	29.021	24.92	19.46	13.76	82.3	79.0	11.60	82.1
	17.45	29.090	24.92	19.34	13.54	82.6	79.2	11.60	82.1
	18.00	28.062	24.28	19.35	13.56	82.8	79.5	11.59	82.3
	18.15	28.542	24.39	19.17	13.32	83.0	79.9	11.59	82.5
	18.30	27.857	23.87	19.30	13.52	83.2	80.2	11.59	82.8
	18.45	28.131	24.28	19.10	13.26	83.6	80.5	11.61	83.0
	19.00	28.336	24.39	18.99	13.18	83.9	80.6	11.60	83.0
	19.15	28.405	24.39	19.05	13.22	83.9	80.6	11.60	83.0
	19.30	28.336	24.28	19.25	13.35	84.0	80·6	11.61	83.1
	19.45	28.474	24.39	19.26	13.52	84.4	81.0	11.61	83.5
	20.00	28.542	24.49	19.11	13.30	84.5	81.1	11.61	83.6
	20.15	28.747	24.92	19.10	13.30	84.7	81.1	11.61	83.8
	20.30	28.610	24.92	19.15	13.45	84.8	81.1	11.61	84.0
	20.45	28.816	24.92	19.20	13.50	85.8	81.2	11.61	84·0
	21.00	28.884	24.92	19.27	13.60	85.0	81.4	11.61	84.0

BOMBAY GOVERNMENT OBSERVATORY.

ABSTRACT OF THE RESULTS

OF THE

MAGNETICAL OBSERVATIONS.

1861.

BOMBAY MAGNETICAL OBSERVATIONS.

MAGNETICAL RESULTS.

UNDER this head are comprised the five Magnetic Elements:—

1st.—DECLINATIONS.
2nd.—HORIZONTAL FORCE.
3rd.—VERTICAL FORCE.
4th.—DIP OR INCLINATIONS.
5th.—TOTAL FORCE.

From the mean absolute values of these five elements, the Summary of the Results and the necessary data for the Disturbance Calculations have been principally extracted.

Observations of Inclinations were made twice a week, and the Observations of the Absolute Horizontal Force as deduced from the Deflection Observations, were made generally once a week during this year.

From the peculiar position of the large Declinometer, with reference to the Transit Instrument, each observation becomes an absolute determination of Declination.

By means of the absolute determinations of Dip and Horizontal Force, the mean values obtained from the Scale Readings of Horizontal Force and Vertical Force Magnetometers were duly corrected and registered in the Results; from the values thus corrected were calculated the Dip (deduced) and Total Intensity.

Disturbance or Abnormal Days were scrupulously thrown out in finding the hourly and monthly mean values of each Element.

DECLINATION.

TABLE I.—*Mean Value of Absolute Easterly Declination in Arc, as obtained by the Large Declination Magnetometer, for each Day of Göttingen Mean Time.*

Date, 1861.	MONTHS, 1861. January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	24·968	25·634	26·438	25·964	25·754		25·786	25·359	28·890	28·781		28·818
2	25.137			24.993	25.570	25·183	26.744	25.380	29.070	29.252		28·707
3	25.331	25.303	26.449	25.724	25.740	25.834	27.838		29.051	28.859	29·108	28.584
4	25.180	25.551	25.769	25.677		25.863	28.102	25.791	28.974	28.921	29.508	29.210
5		25.305	25.783	25.597	25.746	25.978	26.957	25.602	29.030		28.636	29.224
6	25.283	25.336	26.298		25.917	26·013		25.209	29.047	28.752	28.791	29.613
7	25.354	25.311	26.321	26.026	26.181	25.826	26.909	25.501		28.788	29.768	
8	25·206	25.366		26.286	25.819		26.069	27.971	28.610	29.035	29.254	29.047
9	24.922			26.147	25.864	25.883	26.007	28.250	28.874	28.758		29.350
10	25.051	25.203	26.995	26.149	26.527	26.051	26.258		29.082	30.157*	28.829	29.047
11	24.696	25.693	26.258	26.155		26.094	26.862	28.528	28.938	29.851	28.905	29.204
12		26.193	26.415	26.349	25.792	26.460	26.203	28.513	28.593		29.401	29.339
13	24.794	25.946	26.255		25.709	26.409		28.732	28.778	29.352	29.136	28.921
14	24.765	25.735	25.760	26.289	25.843	26.501	25.952	28.656		29.327	29.150	
15	24.919	26.095	25.966	27·441*	26.167		26.232	28.326	29.880	29.336	28.404	28.588
16	24.934			26·549	26.609	26.692	26.067	28.680	29.312	28.842		28.362
17	24.960	25.743	26.015	25.980	26.379	25.903	26.046		29.522	29.207	27.938	28.933
18	25.311	25.556	26.083	25.975		26.403	25.824		29.428	28.969	28.275	28.944
19		26.066	26.295	26.292	26.524	25.842	25.721	29.666*	29.804		28.867	29.620*
20	25·278	25.577	26.346		26.409	26.369		29.500	29.040	29.195	28.507	29.585
21	25.331	26.063	26·023	26.109	26·282	26.546	26.104	29.175		29.318	28.575	
22	25.878	25.709	25.829	26.655	25.914		25.482	28.807	28.666	29.309	28.514	29.322
23	25.936	25.679		26.435		26.546	25.687	28.377	28.721	28.981		28.876
24	26.438*		26.266	26.358	26.072	25.817	26.081		29.078	29.872*	28.830	
25	26.260*	26.392	26.456	26.189		26.200	25.496	29.139	29.481	30.133*	28.687	28.890
26		25.678		25.973	25.860	26.032	25.930	28.356	28.941		28.687	28.701
27	26.149*	26.738*	26.372		25.585	26.343		28.750	29.399	28.031	28.853	28.781
28	25.812	26.443*		25.929	26.197	26.140	25.536	28.657		29.543	28.924	
29	25.778		26·020	25.906	26·020		25.761	28.612	29.266	28.728	28.475	28.693
30	25.726			25.751	26·159	25.711	25.576	29.027	28.713	29·147		28.530
31	25.957		25.626		25·856		25.619			28.441		

* This sign denotes an Abnormal day, or the day on which the Magnetic Disturbances occurred.

TABLE II.—*Showing, for each Month, the Mean Value of Easterly Declination; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Value of Easterly Declination.	Difference from the Mean of the Year.	FOR SEASONS.
January	25·271	−1·838	Mean of {Jan., Feb., March, Oct., Nov., Dec.} or Winter .... 27·328
February	25·689	−1·419	
March	26·175	−0·934	
April	26·057	−1·052	Mean of {Apr., May, June, July, Aug., Sept.} or Summer.... 26·890
May	26·021	−1·088	
June.....	26·106	−1·003	
July	26.181	−0·928	Mean of the Year.. 27·109
August	27·893	0·784	
September	29 085	1·976	Greatest Monthly Mean in September..... 29·085
October	29·030	1·921	Least Monthly Mean in January ..... 25·271
November	28·834	1·725	
December.....	28·967,	1·858	Difference.... 3·814

TABLE III.—*Mean Value of Absolute Easterly Declination, in each Month, for each Hour of Bombay Civil Time.*

Göttingen Mean Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	25'863	25'541	26'392	25'707	25'979	25'614	25'999	27'916	29'919	29'486	29'012	29'147
1	25.289	25.500	26.028	25.864	26.228	25.979	26.284	28.480	29.563	29.041	28.754	28.850
2	25.188	25.247	25.630	25.685	26.073	25.968	26.212	28.138	28.960	28.840	28.838	28.893
3	25.502	25.619	25.923	25.584	25.718	25.561	25.735	27.733	28.963	29.003	28.929	29.070
4	25.526	25.741	26.083	25.669	25.624	25.617	25.643	27.781	29.100	29.057	28.935	29.170
5	25.486	25.691	26.077	25.776	25.777	25.784	25.881	27.761	29.066	28.954	28.921	29.213
6	25.321	25.663	25.978	26.017	25.951	25.935	25.929	27.774	29.087	29.062	29.017	29.150
7	25.323	25.719	26.179	26.195	26.091	26.302	26.185	27.951	29.140	29.220	29.244	29.308
8	25.252	25.734	26.218	26.338	26.223	26.500	26.333	28.032	29.195	29.338	29.219	29.379
9	25.114	25.741	26.131	26.487	26.402	26.558	26.529	28.059	29.361	29.383	29.138	29.367
10	25.111	25.766	26.286	26.319	26.437	26.698	26.616	28.193	29.445	29.318	29.083	29.113
11	25.167	25.645	26.161	26.186	26.368	26.699	26.668	28.322	29.513	29.276	28.841	28.872
12	25.103	25.553	26.021	25.950	26.350	26.693	26.755	28.475	29.524	29.230	28.593	28.601
13	24.888	25.413	25.976	26.036	26.661	27.131	27.242	28.952	29.790	29.143	28.381	28.436
14	24.874	25.448	26.298	26.914	27.682	28.485	28.431	30.627	31.093	29.452	28.249	28.290
15	25.048	25.466	27.258	27.982	28.497	28.964	29.016	31.473	32.097	30.040	28.250	27.747
16	25.946	26.530	27.992	28.409	28.323	28.630	28.647	30.708	31.360	30.157	28.814	28.304
17	26.629	26.996	27.876	28.087	27.199	27.546	27.360	28.697	29.724	29.486	28.970	29.276
18	25.794	26.851	27.023	27.005	25.555	25.872	25.811	26.629	27.907	28.453	28.734	29.553
19	24.605	26.056	25.680	25.367	24.234	24.324	24.462	25.242	26.404	27.353	28.302	29.373
20	24.349	25.258	24.803	24.227	23.511	23.516	23.651	24.578	25.700	27.293	28.479	29.073
21	24.632	25.026	24.748	23.938	23.805	23.517	23.735	24.751	26.282	27.940	29.031	29.056
22	24.983	25.148	25.315	24.403	24.525	23.999	24.239	26.003	27.690	28.704	29.190	28.941
23	25.554	25.201	26.092	25.203	25.305	24.686	25.010	27.188	29.145	29.480	29.093	29.081

TABLE IV.—*Excess of the Mean Hourly Value of Absolute Easterly Declination above the Monthly Mean Value.*

Göttingen Mean Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	0'592	-0'147	0'216	+0'351	-0'040	-0'492	-0'181	0'024	0'834	0'456	0'178	0'178
1	.018	- .188	- .148	- .194	.209	- .127	.104	.588	.478	.011	- .080	- .119
2	- .083	- .441	- .546	- .373	.054	- .138	.132	.246	- .125	- .190	.004	- .076
3	.231	- .069	- .253	- .474	- .301	- .545	- .445	- .039	- .122	- .027	.095	.101
4	.255	.053	- .093	- .389	- .395	- .489	- .437	- .111	.015	.027	.101	.201
5	.215	.003	- .099	- .282	- .242	- .322	- .299	- .131	- .019	- .076	.087	.244
6	.050	- .025	- .198	- .041	- .068	- .171	- .151	- .118	.002	.032	.183	.181
7	.052	.031	.003	.137	.072	.196	.005	.059	.055	- .190	.410	.339
8	- .019	.046	.042	.280	.204	.394	.153	.140	.110	.308	.385	.410
9	- .157	.053	- .045	.429	.383	.462	.349	.167	.276	.353	.304	.398
10	- .160	.078	.110	.261	.418	.592	.436	.301	.360	.288	.249	.144
11	- .114	- .043	- .015	.128	.349	.593	.488	.430	.428	.246	.007	- .097
12	- .168	- .135	- .155	- .108	.331	.587	.575	.583	.439	.200	- .241	- .368
13	- .383	- .275	- .200	- .022	.642	1.025	1.062	1.060	.705	.113	- .453	- .533
14	- .397	- .240	.122	.856	1.663	2.379	2.251	2.735	2.008	.422	- .585	- .679
15	- .223	- .222	1.082	1.924	2.478	2.858	2.836	3.581	3.012	1.010	- .584	-1.222
16	.675	.842	1.816	2.351	2.304	2.524	2.467	2.016	2.275	1.127	- .020	-0.665
17	.358	1.308	1.700	2.029	1.180	1.440	1.180	0.805	0.639	0.456	.136	.507
18	.523	1.163	0.847	0.947	-0.464	-0.234	-0.369	-1.263	-2.178	- .577	- .100	.584
19	- .666	0.368	- .496	- .691	-1.785	-1.782	-1.718	-2.650	-2.681	-1.677	- .532	.404
20	- .922	- .430	-1.373	-2.831	-2.508	-2.590	-2.429	-3.314	-3.385	-1.737	- .355	.104
21	- .630	- .662	-1.428	-2.120	-2.214	-2.589	-2.445	-3.141	-2.803	-1.090	.197	.087
22	- .288	- .540	-0.861	-1.655	-1.494	-2.107	-1.941	-1.889	-1.395	-0.326	.356	- .028
23	.283	- .487	- .084	-0.855	-0.714	-1.420	-1.170	-0.704	-0.060	- .450	.259	.112

TABLE V.—*Showing, for the Year* 1861, *the Mean Value of Absolute Easterly Declination in Arc, for each Hour of Göttingen Mean Time, and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Easterly Declination.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	H. M.			
Noon.	4 12 P.M.	27′215	0′106	
1	5 12 ,,	27.155	.046	
2	6 12 ,,	26.973	− .136	
3	7 12 ,,	26.945	− .164	
4	8 12 ,,	26.995	− .114	
5	9 12 ,,	27.032	− .077	Mean of {2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13,} or Night .... 27′181
6	10 12 ,,	27.074	− .035	
7	11 12 ,,	27.238	.129	
8	0 12 A.M.	27.313	.204	Mean of {14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1,} or Day 27.038
9	1 12 ,,	27.356	.247	
10	2 12 ,,	27.365	.256	
11	3 12 ,,	27.309	.200	Mean Annual 27.109
12	4 12 ,,	27.237	.128	
13	5 12 ,,	27.337	.228	
14	6 12 ,,	27.987	.878	
15	7 12 ,,	28.486	1.377	TIMES OF MEAN MAXIMUM AND MINIMUM.
16	8 12 ,,	28.652	1.543	
17	9 12 ,,	28.154	1.045	G. M. T. B. C. T.
18	10 12 ,,	27.099	− 0.010	A Maximum at Noon or 4 P.M.
19	11 12 ,,	25.950	− 1.159	A Minimum at 3 or 7 P.M.
20	0 12 P.M.	25.370	− 1.739	A Maximum at 10 or 2 A.M.
21	1 12 ,,	25.538	− 1.571	A Minimum at 12 or 4 A.M.
22	2 12 ,,	26.095	− 1.014	A Maximum at 16 or 8 A.M.
23	3 12 ,,	26.753	− 0.356	A Minimum at 20 or Noon.

TABLE VI.—*Showing, for the Year* 1861, *the Hours of Göttingen Mean Solar Time, about which the Mean Value of Absolute Easterly Declination in Arc, in each Month, was at its Maximum and Minimum.*

Months, 1861.	The Mean Hourly Declination in Arc.								Mean Diurnal Range.	The Time at which the Mean Hourly Declination was at its							
	1st Evening Maximum.	1st Evening Minimum.	2nd Evening Maximum.	2nd Evening Minimum.	Mid-night Maximum.	Morning Minimum.	Morning Maximum.	Mid-day Minimum.		1st Evening Maximum.	1st Evening Minimum.	2nd Evening Maximum.	2nd Evening Minimum.	Mid-night Maximum.	Morning Minimum.	Morning Maximum.	Mid-day Minimum.
										H	H	H	H	H	H	H	H
January	25′863	25′188	25′526	25′111	25′157	24′874	26′629	24′349	2′280	0	2	4	10	11	14	17	20
February ..	25·541	25·247	25·741	25·663	25·766	25·413	26·996	25·026	1·970	0	2	4	6	10	13	17	21
March.....	26·392	25·630	26·083	25·978	26·286	25·976	27·992	24·748	3·244	0	2	4	6	10	13	16	21
April	25·864	25·584			26·487	25·950	28·409	23·938	4·471	1	5			9	12	16	21
May	26·228	25·624			26·437	26·350	28·497	23·511	4·986	1	4			10	12	15	20
June	25·979	25·561			26·699	26·693	28·964	23·516	5·448	1	3			11	12	15	20
July	26·284	25·643					29·016	23·651	5·365	1	4					15	20
August	28·480	27·733	27·781	27·761			31·473	24·578	6·895	1	3	4	5			15	20
September ..	29·919	28·960	29·100	29·066			32·097	25·700	6·397	0	2	4	5			15	20
October	29·486	28·840	29·057	28·954	29·383	29·143	30·157	27·293	2.864	0	2	4	5	9	13	16	20
November ..	29·190	28·754	28·935	28·921	29·244	28·249	28·970	28·302	0·995	22	1	4	5	7	14	17	19
December ..	29·147	28·850	29·213	29·150	29·379	27·744	29·553	28·941	1·809	0	1	5	6	8	15	18	22

TABLE VII.—*Daily Range of Absolute Easterly Declination in Arc, for each Day of Göttingen Mean Time.*

Date, 1861.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	2'678	4'946	3'911	4'873	5'420		4'665	7'958	6'504	5'135		2'058
2	2.952			5.009	6.587	6'519	5.010	8.143	6·642	4.451		1.784
3	2.127	2.059	3.087	6.382	4.530	6.106	4.871		8·216	2.739	2'812	2.676
4	2.999	2.059	2.745	6.655		5.764	4.675	6·716	8·354	4.793	2.401	3.087
5		1.923	3.734	6.314	5.832	4.050	5.930	8·622	7·874		3.087	3.430
6	3.637	3.088	1.921		4.872	5.010		5·954	7·530	4.245	2.195	2.676
7	2.678	3.088	2.881	4.665	4.117	6.792	4.871	4·791		5.067	3.499	
8	2.815	2.127		4.047	4.667		7.593	6.800	7.394	4.108	4.184	3.430
9	2.609			4.117	4.800	4.322	7.528	8.750	6·094	5.135		2.881
10	2.264	2.513	2.607	5.969	5.146	5.147	9.717		4·520	3.903	1.925	3.635
11	2.471	2.332	3.569	5.422		5.627	6.843	9.670	5.684	1.780	2.061	1.852
12		3.156	4.324	3.841	3·295	6.861	5.885	6·020	4.793		1.462	4.665
13	3.496	2.675	4.461		3.706	6.656		4·930	6·884	3.151	1.577	2.950
14	2.539	2.264	3.295	2.401	5.284	6.381	8.185	3.628		2.533	3.978	
15	2.265	2.734	3.155	4.323	4.322		4.858	6.710	7·942	2.739	1.715	1.715
16	1.990			3.950	4·803	5.009	4.311	6.094	7.668	5.204		2.538
17	4.460	2.746	3.774	3.295	3.363	5.832	3.630		6.162	2.670	2.196	2.058
18	3.293	3.088	4.528	4.049		5.763	4.859		6·984	3.081	2.538	3.224
19		2.882	3.019	4.736	4.735	7.136	3·902	5.341	6·505		2.627	5.967
20	3.911	2.539	3.431		5.352	4.597		7·806	6·984	1.300	1.783	4.665
21	2.883	2.863	3.156	4.461	5.422	4.804	4.515	7.190		2·123	2.058	
22	4.118	2.196	4.323	4.630	6.518		4.722	8·764	6.915	2.328	1.715	2.058
23	2.793	3.226		5.146		7.478	7.117	8.079	8.695	2.935		2.264
24	5.490		5.009	4.323	7.752	6.998	4.311		5.820	3.356	1.989	
25	3.431	3.984	5.010	6·449		6.106	6.228	9.381	4.314	2.191	2.950	2.058
26		3.430		7.066	6.450	4.324	4.038	7·805	4.382		2.607	2·264
27	3.432	4.186	5.283		6.058	6.665		8·147	4.656	2.471	1.646	2.126
28	2.677	2.750		4.803	5.971	4.198	7.185	7·874		3.369	2.401	
29	2.332		6.314	3.979	5.695		4.791	6.378	5.615	3.880	1.098	2.401
30	2.745			4.461	5.284	4.940	5.612	5·457	4.999	1.780		2.195
31	1.990		4.941		4.461		5·543			3.190		

TABLE VIII.—*Showing the Greatest and the Least Values of Absolute Easterly Declination in Arc, in Simple Hourly Observations, during the Year* 1861.

Months, 1861.	Greatest Declination in Arc.				Least Declination in Arc.			
	Day and Hour.	Greatest Declination.	Normal Mean.	Difference.	Day and Hour.	Least Declination.	Normal Mean.	Difference.
	D. H.				D. H.			
January	24·8	29'716	25'396	4'320	17·20	22'444	24'409	−1'965
February	25·16	29·305	27·017	2·288	1·21	22·787	24·829	−2·042
March	24·17	29·579	27·936	1·643	31.21	22·649	24·343	−1·694
April	25·16	29·579	28·380	1·199	2·21	21·826	24·289	−2·463
May	10·16	29·785	28·337	1 448	24·20	21·758	23·511	−1·753
June	23·15	30·882	28·978	1·904	2·20	21·071	23·513	−2·442
July	11·16	31·122	28·645	2·477	10·21	21·268	23·700	−2·432
August	25·15	34·704	31·681	3·023	5·21	20·515	24·412	−3·897
September	15·15	34·087	32·097	1·990	23·20	24·160	26·125	−1·965
October	10·16	31·897	30·357	1·540	16·19	25·255	27·353	−2·098
November	7·8	31·775	29·251	2·524	5·19	26·561	27·986	−1·425
December	19·8	32·769	29·379	3·390	16·16	26·595	28·304	−1·709

TABLE IX.—*Mean Value of Absolute Horizontal Intensity, as obtained from the Scale Readings of Large Horizontal Force Magnetometer, for each Day of Göttingen Mean Time.*

Date, 1861.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1	8.0499	8.0392	8.0222	8.0389	8.0436		8.0797	8.0808	8.0534	8.0772		8.0601
2	.0430			.0411	.0382	8.0498	.0868	.0760	.0538	.0726		.0589
3	.0428	.0393	.0335	.0406	.0378	.0551	.0901		.0519	.0726	8.0653	.0628
4	.0416	.0386	.0377	.0401		.0504	.0860	.0759	.0518	.0740	.0667	.0471
5		.0394	.0391	.0339	.0402	.0523	.0874	.0796	.0510		.0663	.0448
6	.0410	.0407	.0361		.0403	.0547		.0700	.0517	.0800	.0682	.0476
7	.0430	.0395	.0397	.0380	.0411	.0582	.0867	.0766		.0753	.0441	
8	.0469	.0387		.0335	.0367		.0910	.0742	.0508	.0753	.0502	.0561
9	.0481			.0337	.0417	.0516	.0829	.0745	.0537	.0788		.0489
10	.0510	.0350	.0218	.0391	.0387	.0683	.0835		.0574	.0580*	.0579	.0426
11	.0506	.0337	.0313	.0374		.0750	.0797	.0730	.0585	.0616	.0576	.0482
12		.0328	.0346	.0375	.0448	.0661	.0843	.0712	.0601		.0589	.0539
13	.0468	.0363	.0334		.0430	.0605		.0699	.0579	.0675	.0584	.0560
14	.0464	.0390	.0324	.0288	.0427	.0676	.0819	.0666		.0673	.0564	
15	.0463	.0405	.0359	.0168*	.0441		.0820	.0583	.0419	.0658	.0569	.0589
16	.0473			.0284	.0331	.0723	.0831	.0603	.0468	.0656		.0616
17	.0467	.0393	.0342	.0322	.0354	.0742	.0827		.0523	.0663	.0629	.0529
18	.0446	.0424	.0354	.0346		.0747	.0840		.0544	.0673	.0504	.0519
19		.0426	.0330	.0393	.0377	.0764	.0852	.0408*	.0486		.0494	.0366
20	.0441	.0454	.0333		.0394	.0740		.0528	.0587	.0681	.0598	.0379
21	.0474	.0396	.0371	.0324	.0389	.0769	.0791	.0528		.0696	.0603	
22	.0372	.0362	.0379	.0283	.0389		.0809	.0501	.0671	.0690	.0600	.0512
23	.0343	.0398		.0320		.0757	.0819	.0530	.0642	.0669		.0532
24	.0237*		.0348	.0338	.0430	.0767	.0771		.0644	.0429*	.0554	
25	.0256*	.0376	.0238	.0329		.0756	.0776	.0533	.0670	.0493*	.0545	.0561
26		.0483		.0354	.0445	.0753	.0818	.0536	.0712		.0519	.0574
27	.0285*	.0247*	.0313		.0405	.0777		.0524	.0701	.0648	.0578	.0559
28	.0356	.0205*		.0381	.0446	.0757	.0826	.0543		.0565	.0574	
29	.0390		.0354	.0410	.0464		.0797	.0581	.0706	.0639	.0593	0.544
30	.0392			.0418	.0473	.0799	.0839	.0551	.0733	.0598		0.570
31	.0364		.0391		.0500		.0838			.0653		

* This sign denotes an Abnormal day, or a day on which a Magnetic Disturbance occurred.

TABLE X.—*Showing, for each Month, the Mean Value of Absolute Horizontal Intensity; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Value of Horizontal Intensity.	Difference from the Mean of the Year.	FOR SEASONS.
	En. Un.	En. Un.	En. Un.
January	8.0438	−0.0104	Mean of {Jan., Feb., March, Oct., Nov., Dec.} or Winter.... 8.0501
February	.0392	− .0150	
March	.0337	− .0205	
April	.0357	− .0185	Mean of {April, May, June, July, Aug., Sept.} or Summer .. 8.0583
May	.0412	− .0130	
June	.0681	.0139	Mean of the Year..... 8·0542
July	.0831	.0289	
August	.0642	.0100	
September	.0578	.0036	Greatest Monthly Mean in July..... 8·0831
October	.0688	.0146	Least Monthly Mean in March 8.0337
November	.0580	.0038	
December	.0569	.0027	Difference.... 0·0494

TABLE XI.—*Mean Value of Absolute Horizontal Intensity, corrected for Instrumental errors, in each Month, for each Hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
Noon.	8.0474	8.0414	8.0344	8.0371	8.0417	8.0672	8.0824	8.0645	8.0585	8.0689	8.0583	8.0589
1	.0454	.0381	.0319	.0345	.0382	.0645	.0799	.0614	.0572	.0670	.0553	.0559
2	.0429	.0354	.0291	.0317	.0364	.0627	.0787	.0597	.0549	.0639	.0535	.0535
3	.0402	.0331	.0264	.0296	.0349	.0618	.0776	.0584	.0522	.0629	.0517	.0515
4	.0388	.0324	.0259	.0293	.0348	.0607	.0764	.0576	.0512	.0628	.0507	.0503
5	.0379	.0311	.0252	.0294	.0345	.0617	.0762	.0578	.0520	.0625	.0503	.0505
6	.0378	.0307	.0263	.0289	.0351	.0621	.0764	.0582	.0527	.0626	.0493	.0498
7	.0371	.0315	.0267	.0291	.0358	.0625	.0767	.0579	.0529	.0631	.0510	.0494
8	.0380	.0326	.0273	.0293	.0352	.0631	.0769	.0586	.0540	.0635	.0519	.0502
9	.0387	.0331	.0287	.0293	.0353	.0630	.0768	.0587	.0536	.0637	.0523	.0510
10	.0397	.0334	.0281	.0289	.0353	.0629	.0771	.0591	.0536	.0648	.0529	.0514
11	.0392	.0330	.0278	.0291	.0362	.0631	.0778	.0596	.0538	.0647	.0524	.0525
12	.0388	.0340	.0280	.0293	.0364	.0634	.0779	.0600	.0545	.0642	.0533	.0532
13	.0394	.0339	.0279	.0289	.0364	.0636	.0785	.0600	.0544	.0642	.0543	.0532
14	.0400	.0339	.0282	.0300	.0367	.0637	.0799	.0611	.0534	.0648	.0552	.0534
15	.0400	.0347	.0296	.0320	.0382	.0673	.0825	.0622	.0539	.0648	.0578	.0557
16	.0425	.0393	.0353	.0393	.0444	.0721	.0872	.0669	.0586	.0705	.0621	.0594
17	.0470	.0461	.0424	.0476	.0506	.0770	.0930	.0719	.0644	.0768	.0670	.0639
18	.0525	.0523	.0481	.0531	.0546	.0810	.0969	.0757	.0689	.0819	.0714	.0679
19	.0566	.0564	.0513	.0545	.0567	.0832	.0976	.0770	.0704	.0846	.0735	.0704
20	.0563	.0575	.0509	.0524	.0559	.0825	.0964	.0770	.0698	.0822	.0724	.0694
21	.0545	.0552	.0471	.0496	.0525	.0795	.0941	.0749	.0669	.0790	.0692	.0672
22	.0510	.0509	.0426	.0449	.0490	.0760	.0905	.0717	.0639	.0761	.0653	.0641
23	.0485	.0466	.0420	.0401	.0444	.0712	.0869	.0677	.0607	.0711	.0614	.0613

TABLE XII.—*Excess of the Mean Hourly Value of Horizontal Intensity above the Monthly Mean Value.*

Göttingen Mean Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
Noon.	0.0036	0.0022	0.0007	0.0014	0.0005	0.0009	-0.0007	0.0003	0.0007	0.0001	0.0003	0.0020
1	.0016	- .0011	- .0018	- .0012	- .0030	- .0036	- .0032	- .0028	- .0006	- .0018	- .0027	- .0010
2	- .0009	- .0038	- .0046	- .0040	- .0048	- .0054	- .0044	- .0045	- .0029	- .0049	- .0045	- .0034
3	- .0036	- .0061	- .0073	- .0061	- .0063	- .0063	- .0055	- .0058	- .0056	- .0059	- .0063	- .0054
4	- .0050	- .0068	- .0078	- .0064	- .0064	- .0074	- .0067	- .0066	- .0066	- .0060	- .0073	- .0066
5	- .0059	- .0081	- .0085	- .0063	- .0067	- .0064	- .0069	- .0064	- .0058	- .0063	- .0077	- .0064
6	- .0060	- .0085	- .0074	- .0068	- .0061	- .0060	- .0067	- .0060	- .0051	- .0062	- .0087	- .0071
7	- .0067	- .0077	- .0070	- .0066	- .0054	- .0056	- .0064	- .0063	- .0049	- .0057	- .0080	- .0075
8	- .0058	- .0066	- .0064	- .0064	- .0060	- .0050	- .0062	- .0056	- .0038	- .0053	- .0061	- .0067
9	- .0051	- .0061	- .0050	- .0064	- .0059	- .0051	- .0063	- .0055	- .0042	- .0051	- .0057	- .0059
10	- .0041	- .0058	- .0056	- .0068	- .0059	- .0052	- .0060	- .0051	- .0042	- .0040	- .0051	- .0055
11	- .0046	- .0062	- .0059	- .0066	- .0050	- .0050	- .0052	- .0046	- .0040	- .0041	- .0056	- .0044
12	- .0050	- .0052	- .0057	- .0064	- .0052	- .0047	- .0052	- .0042	- .0033	- .0046	- .0047	- .0037
13	- .0044	- .0053	- .0058	- .0068	- .0052	- .0045	- .0046	- .0042	- .0034	- .0046	- .0037	- .0037
14	- .0038	- .0053	- .0055	- .0057	- .0049	- .0044	- .0032	- .0031	- .0044	- .0040	- .0028	- .0026
15	- .0038	- .0045	- .0041	- .0037	- .0034	- .0008	- .0006	- .0020	- .0039	- .0040	- .0002	- .0012
16	- .0013	.0001	.0016	.0036	.0032	.0040	.0041	.0027	.0008	.0017	.0041	.0025
17	.0032	.0069	.0087	.0119	.0074	.0089	.0099	.0077	.0066	.0080	.0090	.0070
18	.0087	.0132	.0144	.0174	.0134	.0129	.0138	.0115	.0111	.0131	.0134	.0110
19	.0128	.0172	.0176	.0188	.0155	.0151	.0145	.0128	.0126	.0158	.0155	.0135
20	.0125	.0183	.0172	.0167	.0147	.0144	.0133	.0128	.0120	.0134	.0144	.0125
21	.0107	.0160	.0134	.0139	.0113	.0124	.0110	.0107	.0091	.0102	.0112	.0103
22	.0072	.0117	.0089	.0092	.0078	.0079	.0074	.0075	.0061	.0073	.0073	.0072
23	.0047	.0074	.0083	.0044	.0032	.0031	.0038	.0035	.0029	.0023	.0034	.0044

TABLE XIII.—*Showing, for the Year* 1861, *the Mean Value of Absolute Horizontal Intensity, corrected for Instrumental errors, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean value of Horizontal Intensity.	Difference from the Mean of the Whole.
	H. M.	En. Un.	En. Un.
Noon.	4 12 P.M.	8.0551	0.0009
1	5 12 ,,	.0524	– .0018
2	6 12 ,,	.0502	– .0040
3	7 12 ,,	.0484	– .0058
4	8 12 ,,	.0476	– .0066
5	9 12 ,,	.0474	– .0068
6	10 12 ,,	.0475	– .0067
7	11 12 ,,	.0478	– .0064
8	0 12 A.M.	.0484	– .0058
9	1 12 ,,	.0487	– .0055
10	2 12 ,,	.0489	– .0053
11	3 12 ,,	.0491	– .0051
12	4 12 ,,	.0494	– .0048
13	5 12 ,,	.0496	– .0046
14	6 12 ,,	.0501	– .0041
15	7 12 ,,	.0516	.0026
16	8 12 ,,	.0565	.0023
17	9 12 ,,	.0623	.0081
18	10 12 ,,	.0670	.0128
19	11 12 ,,	.0693	.0151
20	0 12 P.M.	.0686	.0144
21	1 12 ,,	.0658	.0116
22	2 12 ,,	.0622	.0080
23	3 12 ,,	.0585	.0043

FOR DAY AND NIGHT.

En. Un.

Mean of {2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13,} or Night..... 8.0486

Mean of {14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1,} or Day..... 8·0599

Mean Annual..... 8.0542

TIMES OF MEAN MAXIMUM AND MINIMUM.

G. M. T. B. C. T.

A Minimum at 5 or 9 P.M.

A Maximum at 19 or 11 A.M.

TABLE XIV.—*Showing, for the Year* 1861, *the Hours of Göttingen Mean Solar Time, about which the Mean Value of Absolute Horizontal Intensity, corrected in each Month, was at its Diurnal Maximum and Minimum.*

Months, 1861.	Mean Hourly Horizontal Intensity corrected.				Mean Diurnal Range.	The Time at which the Mean Horizontal Intensity was at its			
	Minimum.	Maximum.	Minimum.	Maximum.		Minimum.	Maximum.	Minimum.	Maximum.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H.	H.	H.	H.
January	8·0371	8·0397	8·0388	8·0566	0·0195	7	10	12	19
February	·0307	·0334	·0330	·0575	·0268	6	10	11	20
March.....	·0252	·0287	·0278	·0513	·0261	5	9	11	19
April..	·0289	·0293	·0289	·0545	·0256	6	9	13	19
May	·0345	·0358	·0352	·0567	·0222	5	7	8	19
June	·0607	·0631	·0629	·0832	·0225	4	8	10	19
July	·0762			·0976	·0214	5			19
August	·0576	·0582	·0579	·0770	·0194	4	6	7	19
September	·0512	·0545	·0534	·0704	·0192	4	12	14	19
October	·0625	·0648	·0642	·0846	·0221	5	10	12	19
November	·0493	·0529	·0524	·0735	·0242	6	10	11	19
December	·0494			·0704	·0210	7			19

TABLE XV.—*Mean Temperature of Air confined within the Box of the Large Horizontal Force Magnetometer, for each Day of Göttingen Mean Time.*

Date, 1861.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	81°6	78°7	79°5	83°5	85°2		80°2	82°8	80°8	82°2		79°1
2	81.3			84.5	85.5	80°3	81.0	82.5	81.3	81.9		79.3
3	80.9	77.6	76.4	84.5	85.6	83.6	82·6		81.2	81.6	82°1	79.2
4	80.8	77.0	76.0	83.9		85.5	83.6	83.1	81.3	81.4	81.3	79.2
5		76·5	76.1	83.6	86.3	85.7	83.7	83.5	81.5		81.2	79.2
6	79.4	75.7	76.4		86.7	85.4		83.7	81.8	80.9	81.0	79.3
7	78.7	75.8	77.6	83.7	86.9	84.5	83.8	82.9		81.4	79.7	
8	77.7	76·3		83.9	86.9		84.1	82.6	80.7	82.2	79.8	79.0
9	75.9			84.6	87.3	86.1	83 8	83.4	80.5	82.7		77.7
10	76.4	75.7	77.8	85.9	86.6	86.3	83·6		81.3	83·5	80.9	76.8
11	77.7	76·0	80.0	85.5		86.5	84.1	81.8	81.2	84.1	80.8	76.3
12		75·1	82.6	85.1	85.6	86.3	83.5	80.2	81.9		80.5	77.2
13	79 2	75.0	83.7		85.9	85.6		79.4	82.2	83.7	81.0	77.1
14	80.8	75·0	83.2	83.8	86.4	83.8	81.0	78.4		84.1	80·9	
15	81·4	76.7	82·0	84.4	87.1		80.8	79.1	81.8	83.9	80·7	78.1
16	80.6			85.4	86.5	84.7	81.5	79.7	81.5	82.8		77.3
17	78.6	77.6	79.8	85.0	86.7	84.8	80.6		81.5	81.9	80.3	77.5
18	77.4	79.4	80.2	85.2		85.3	79.6		82.0	81.5	79.7	78.0
19		80.4	81.1	85.8	87.8	85.3	79.8	78.4	82.2		79.5	78.1
20	74.6	80.5	81.2		88.2	83.8		79.7	82.0	82.8	79.3	77.8
21	76.3	80.3	80.8	84.9	88.3	83.3	81.3	80.5		83.2	79.2	
22	74.1	80.0	80.5	84.4	88.4		81.0	80.3	82.5	82.4	79.5	78.7
23	74.5	80 I		84.4		83.4	80.9	79.9	83.2	82.4		78.4
24	76.3		80.6	84.8	88.8	83.3	82.1		83.5	82.5	79.4	
25	77.3	80 9	80.3	84.8		83.3	82.2	80.5	83·6	83.0	79·5	77.7
26		82.5		84.7	88.4	83.0	82.0	79.7	83.9		79.4	77.6
27	78.4	83.1	80.9		88.6	83.1		80.6	82.8	83.8	80.1	77.2
28	75.1	80.7		85.0	89.1	83.4	82.1	81.0		84.3	79.8	
29	74.8		82.6	85.3	89.5		82.4	80·2	82.2	84.4	79.7	75.5
30	76.2			85.0	89.0	80.8	82.6	79.4	81.6	84.3		76.8
31	77.2		82.9		87.3		83.1			83.6		

TABLE XVI.—*Showing, for each Month, the Mean Temperature of Air confined within the Box of the Large Horizontal Force Magnetometer; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Temperature of Air confined within the Box of L. H. F. M.	Difference from the Mean of the Year.	FOR SEASONS.
	°	°	
January	78.0	−3·5	Mean of {Jan., Feb., March, Oct., Nov., Dec.} or Winter 79.5
February	77.9	−3.6	
March	80.1	−1.4	
April	84.7	3.2	Mean of {April, May, June, July, Aug., Sept.} or Summer .. 83·6
May	87.3	5.8	
June.....	84.3	2.8	Mean of the Year 81.5
July.....	82.1	0.6	
August	81.0	−0.5	Greatest Monthly Mean in May 87.3
September	81.9	0.4	Least Monthly Mean in February..... 77.9
October	82.8	1.3	
November	80.2	−1.3	Difference..... 9.4
December	77.9	−3.6	

TABLE XVII.—*Mean Temperature of Air confined within the Box of the Large Horizontal Force Magnetometer, in each Month, for each Hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	81°7	81°5	82°9	87°1	89°7	85°8	83°0	82°4	83°7	85°0	83°4	81°5
1	80.8	80.6	82.3	86.7	89.2	85.3	82.8	82.1	83.0	84.4	82.5	80.6
2	79.7	79.5	81.3	85.9	88.4	84.9	82.4	81.6	82.4	83.4	81.6	79.5
3	79.0	78.7	80.5	85.1	87.8	84.4	82.1	81.3	82.0	83.1	81.0	78.9
4	78.6	78.2	80.2	84.7	87.3	84.0	82.0	81.0	81.7	82.8	80.7	78.4
5	78.1	77.8	79.9	84.4	86.9	83.9	81.8	80.9	81.6	82.5	80.2	77.8
6	77.6	77.3	79.7	84.1	86.7	83.8	81.7	80.8	81.5	82.3	79.6	77.3
7	77.1	76.9	79.5	83.9	86.5	83.7	81.6	80.7	81.2	82.1	79.2	76.7
8	76.8	76.7	79.1	83.7	86.1	83.6	81.6	80.6	81.1	81.9	79.0	76.3
9	76.5	76.4	78.9	83.5	86.0	83.5	81.5	80.4	81.0	81.8	78.7	76.1
10	76.1	76.1	78.7	83.2	85.8	83.4	81.4	80.3	80.8	81.7	78.4	75.8
11	75.8	75.6	78.4	83.0	85.6	83.3	81.3	80.2	80.7	81.5	78.1	75.6
12	75.6	75.3	78.1	82.8	85.4	83.3	81.2	80.1	80.7	81.3	77.8	75.2
13	75.2	75.0	77.9	82.6	85.3	83.1	81.1	80.0	80.6	81.1	77.4	74.9
14	74.9	74.7	77.7	82.4	85.2	82.9	81.2	79.9	80.5	80.9	77.1	74.5
15	74.8	74.5	77.7	82.8	85.6	83.0	81.3	80.0	80.6	80.9	77.3	74.6
16	75.3	74.9	78.1	83.4	86.1	83.6	81.6	80.4	81.0	82.4	78.1	75.6
17	76.3	76.1	78.9	84.2	86.8	84.2	82.0	80.9	81.5	82.2	79.2	76.7
18	77.6	77.6	80.0	85.1	87.5	84.6	82.6	81.2	82.3	83.1	80.5	78.2
19	78.9	79.2	81.1	86.0	88.3	85.2	83.0	81.5	82.9	83.9	81.6	79.5
20	80.2	80.5	82.0	86.6	88.9	85.6	83.3	82.0	83.4	84.6	82.6	80.7
21	81.0	81.4	82.7	87.1	89.4	85.7	83.5	82.2	83.8	85.1	83.5	81.5
22	82.0	82.0	83.2	87.3	89.7	85.7	83.6	82.3	84.0	85.4	83.8	81.9
23	81.9	82.0	83.3	87.3	89.8	85.9	83.4	82.3	84.1	85.4	83.8	82.1

TABLE XVIII.—*Excess of the Mean Hourly Temperature of Air within the Box of the Horizontal Force Magnetometer, above the Monthly Mean.*

Göttingen Mean Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	3.7	3.6	2.8	2.5	2.4	1.5	0.9	1.4	1·7	2.2	3.2	3.6
1	2.8	2.8	2.2	2.0	1.9	1.1	0.7	1.0	1·1	1.5	2.3	2.7
2	1.7	1.6	1.2	1.2	1 2	0·6	0.3	0.6	0.4	0.6	1.4	1.6
3	1.1	0.8	0.4	0.4	0.5	0.1	0.0	0.2	0·1	0.2	0.8	0.9
4	0.7	0.4	0.1	0.0	0.0	-0.2	-0.1	0.0	-0·2	0.0	0.5	0.5
5	0.1	-0.1	-0.2	-0.3	-0.3	-0·4	-0.3	-0.1	-0.3	-0.3	0.0	-0.1
6	-0.4	-0.6	-0.4	-0.6	-0.5	-0.5	-0.4	-0.2	-0·4	-0.5	-0.6	-0.6
7	-0.8	-1·0	-0.6	-0.8	-0.8	-0.6	-0.5	-0.3	-0.7	-0.7	-1.0	-1.2
8	-1·2	-1·1	-0.9	-1.0	-1.1	-0.6	-0.6	-0.5	-0.8	-0.9	-1.2	-1.6
9	-1·5	-1·4	-1·2	-1·2	-1.3	-0.8	-0.6	-0.6	-0.9	-1.0	-1.5	-1.8
10	-1·8	-1·8	-1·4	-1·4	-1.4	-0.9	-0.7	-0.7	-1·1	-1.1	-1.8	-2.1
11	-2·2	-2·2	-1·7	-1·7	-1.6	-1.0	-0.8	-0.9	-1·2	-1.3	-2.1	-2.4
12	-2·4	-2·5	-2·0	-1·9	-1.8	-1.0	-0.9	-1.0	-1.3	-1.5	-2.5	-2.7
13	-2·7	-2·8	-2·2	-2·1	-2.0	-1.2	-1.0	-1.0	-1.4	-1.7	-2.8	-3.0
14	-3·1	-3·2	-2·4	-2·3	-2.1	-1.4	-1.0	-1.1	-1.4	-1.9	-3.1	-3.4
15	-3·2	-3·4	-2·4	-1·9	-1·7	-1·2	-0.8	-1·0	-1·4	-1.9	-2.9	-3.3
16	-2·6	-3·0	-2·0	-1·3	-1·2	-0·7	-0·5	-0·6	-1·0	-1·4	-2·1	-2·3
17	-1·6	-1·8	-1·2	-0·5	-0·5	-0·1	-0·1	-0·1	-0·4	-0·6	-1·0	-1·2
18	-0·4	-0·3	-0·1	0.5	0.3	0·3	0·5	0·2	0.4	0.3	0.3	0.2
19	0·9	1·3	1·0	1.3	1.1	0·9	0·9	0·5	1.0	1.1	1.4	1.6
20	2·2	2.6	1·9	1·9	1.7	1·3	1·2	0·9	1.5	1.7	2.4	2.8
21	3·0	3.6	2·6	2.4	2.1	1.5	1.3	1·1	1.9	2.3	3.3	3.6
22	4·0	4.1	3·1	2.6	2.5	1.5	1.4	1·3	2·1	2.6	3.6	4.0
23	3·9	4.1	3·2	2.6	2.6	1·6	1.3	1·3	2.1	2.6	3.6	4.1

TABLE XIX.—*Showing, for the Year* 1861, *the Mean Temperature of Air within the Box of the Large Horizontal Force Magnetometer, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Temperature of Air by the Horizontal Force Thermometer.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	H. M.			
Noon.	4 12 P.M.	84°0	2°5	
1	5 12 ,,	83·4	1·9	
2	6 12 ,,	82·6	1·1	
3	7 12 ,,	82·0	0·5	Mean of { 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, } or Night.. 80°8
4	8 12 ,,	81·6	0·1	
5	9 12 ,,	81·3	− 0·2	
6	10 12 ,,	81·0	− 0·5	Mean of { 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 0, 1, } or Day.... 82.2
7	11 12 ,,	80·8	− 0·7	
8	0 12 A.M.	80·5	− 1·0	Mean Annual..... 81·5
9	1 12 ,,	80·4	− 1·1	
10	2 12 ,,	80·1	− 1.4	
11	3 12 ,,	79·9	− 1·6	
12	4 12 ,,	79·7	− 1·8	
13	5 12 ,,	79·5	− 2·0	
14	6 12 ,,	79 3	− 2·2	TIMES OF MEAN MAXIMUM AND MINIMUM.
15	7 12 ,,	79·4	− 2·1	
16	8 12 ,,	80·0	− 1·5	G. M. T. B. C. T.
17	9 12 ,,	80·7	− 0·8	A Minimum at 14 or 6 A.M.
18	10 12 ,,	81·7	0·2	A Maximum at 23 or 3 P.M.
19	11 12 ,,	82·6	1·1	
20	0 12 P.M.	83·4	1·9	
21	1 12 ,,	83·9	2·4	
22	2 12 ,,	84·2	2·7	
23	3 12 ,,	84·3	2·8	

TABLE XX.—*Showing, for the Year* 1861, *the Hours of Göttingen Mean Time, at which the Mean Hourly Temperature of Air confined in the Box of the Large Horizontal Force Magnetometer, in each Month, was at its Maximum and Minimum.*

Months, 1861.	The Mean Hourly Temperature of Air confined in the Box of the L. H. F. M.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	82°0	74°8	7°2	22	15
February	82.0	74.5	7.5	22 and 23	15
March	83.3	77.7	5.6	23	14 and 15
April	87.3	82.4	4.9	22 and 23	14
May	89.8	85.2	4.6	23	14
June	85.9	82.9	3.0	23	14
July	83.6	81.1	2.5	22	13
August	82.4	79.9	2.5	24	14
September	84.1	80.5	3.6	23	14
October	85.4	80.9	4.5	22 and 23	14 and 15
November	83.8	77.1	6.7	22 and 23	14
December	82.1	74.5	7.6	23	14

TABLE XXI.—*Mean Temperature of Circumambient Air, for each day of Göttingen Mean Time.*

Date, 1861.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	78°8	76°4	76°4	82°0	83°6		78°7	80°7	80°0	80°5		75°8
2	78.1			83.2	84.2	78°1	80.1	81.2	79.9	80.4		76.2
3	78.6	74.7	73.6	82.6	83.6	83.0	82.0		80.1	79.4	79°1	75.9
4	77.2	74.3	73.8	81.5		84.8	82.6	82.2	80.0	79.3	78.3	75.3
5		73.4	73.9	81.9	84.5	84.5	82.4	82.6	80.4		78.1	75.4
6	76.0	72.3	74.3		84.5	83.3		82·2	80.5	78.4	78.1	75.5
7	75.3	73.6	75.4	81.8	84.7	82.3	83.2	81.2		79.3	77.2	
8	73.9	74.3		82.3	84.6		82.8	81.6	79.3	79.7	76.9	75.9
9	72.3			83.5	85.2	85.4	82.0	82.1	78.7	80·0		74.1
10	73.8	73.9	75.6	85.3	84.6	85.4	82.0		79.7	80.8	77.9	73.2
11	76.0	73.5	79.5	83.9		85.0	82.2	79.0	79.8	81.2	77.1	73.2
12		72.6	81.6	83.6	84.1	84.6	80.4	77.8	80.6		76.8	73.5
13	76.3	72.6	81.0		84.4	82.9		77.2	81.1	81.7	77.6	73.1
14	78.6	73.5	80.3	81.7	84.8	81.7	78.8	76·5		82.2	77.4	
15	78.4	75.2	78.8	82.7	85.3		79.1	77.2	80.5	81.2	77.4	74.9
16	77·5			83.4	84.6	83.2	80.4	77.7	79.4	80.4		74.2
17	75.2	76.7	77.5	82.4	85.1	82.9	78.6		79.6	79.3	76.8	74.3
18	74.2	78.6	78.6	83.4		83.7	77.7		80.7	79.2	76.6	74.9
19		78·5	79.5	84.7	85.8	82.6	78.3	77.1	80.6		76.0	75.0
20	72.0	77.5	78.6		85.9	80.5		78.8	79.9	80.6	75.8	74.8
21	72.6	76.8	78.2	82.5	86.1	81.0	80.3	79.4		81.0	75.7	
22	70.4	77.0	78.2	82.4	86.4		79.8	78.8	80.6	80.3	76.0	75.7
23	71.9	77.2		82.3		81.7	79.8	78.4	81.3	79.6		74.9
24	74.4		78.3	83.2	86.4	81.2	81.1		82.0	79.6	75.5	
25	73.2	79.4	78.4	83.0		81.2	80.7	79.1	81·9	80.4	75.1	73.8
26		80.9		82.3	86.4	80.3	80.7	78.0	82.1		75.4	73.2
27	75.0	79.8	79.4		86.7	81.5		79.4	80.5	82.1	76.3	72.6
28	71.5	76.9		82.9	87.2	81.4	80.6	79.7		82.0	76.1	
29	71.5		81.2	83.4	87.5		81.1	78.1	79.7	82.1	75.6	72.7
30	73.4			82.9	85.7	78.7	81.5	77.9	79.8	80.0		74.0
31	74.3		81.4		85.4		81.8			81.1		

TABLE XXII.—*Showing, for each Month, the Mean Temperature of Circumambient Air; and its Periodic Change from the Mean of the Year.*

Months, 1861.	Mean Temperature of Circumambient Air.	Difference from the Mean of the year.
January	74°9	− 4°4
February	75.6	− 3.7
March	78.0	− 1.3
April	82.9	3.6
May	85.3	6.0
June	82.4	3.1
July	80.7	1.4
August	79.5	0.2
September	80.3	1.0
October	80.5	1.2
November	76.8	− 2.5
December	74.5	− 4.8

FOR SEASONS.

Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter ..	76°7
Mean of { April, May, June, / July, Aug., Sept. } or Summer ...	81.9
Mean of the Year.....	79.3
Greatest Monthly Mean in May.....	85.3
Least Monthly Mean in December.....	74.5
Difference....	10.8

TABLE XXIII.—*Mean Temperature of Circumambient Air, in each Month, for each Hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	81°3	81°6	83°1	87°6	89°6	84°9	82°0	81°7	83°6	84°7	82°6	81°0
1	79.0	79.7	81.2	85.5	87.5	83.8	81.4	80.8	81.9	83·1	80.0	78.0
2	76.6	76.7	78.6	83.5	85.5	82.4	80.7	79.7	80.5	80.8	78.2	76.2
3	75.8	75.6	77.4	82.3	84.1	81.5	80.2	79.1	79.9	80.1	77.5	75.5
4	75.0	75.1	76.8	81.7	83.5	81.0	80.1	78.8	79.5	79.7	77.0	74.9
5	74.0	74.4	76.4	81.2	83.2	81.0	79.8	78.8	79.3	79.3	76.1	73.7
6	73.1	73.2	75.9	80.8	82.9	81.0	79.5	78.8	79.0	78.9	75.0	72.5
7	72.3	72.7	75.5	80.5	82.7	81.1	79.5	78.6	78.5	78.5	74.1	71.5
8	71.6	72.5	75.2	80.1	82.3	80.8	79.4	78.4	78.4	78.3	73.9	71.1
9	71.0	71.7	74.8	79.5	82.0	80.7	79.4	78.1	78.4	78.2	73.4	70.8
10	70.4	71.4	74.1	79.0	81.6	80.6	79.1	78.0	78.1	77.9	73.0	70.3
11	70.2	70.7	73.5	78.5	81.4	80.5	79.0	77.7	78.0	77.7	72.6	70.0
12	70.2	70.1	73.3	78.3	81.1	80.4	78.9	77.6	77.8	77.3	71.8	69.5
13	69.6	69.8	72.9	78.0	81.0	80.1	79.0	77.6	77.6	77.0	71.5	69.0
14	68.9	69.4	72.6	77.9	81.1	79.7	79.2	77.6	77.5	76.7	71.3	68.5
15	69.5	69.7	73.8	80.4	83.6	80.8	79.7	78.0	78.2	77.6	72.2	69.1
16	71.8	72.2	76.4	82.7	85.3	82.4	80.6	79.2	79.4	79.3	74.2	71.4
17	74.0	75.7	78.3	84.6	86.7	83.6	81.5	80.1	80.7	80.3	76.0	73.6
18	76.5	78.4	80.8	86.2	88.1	84.0	82.4	80.4	81.8	82.0	77.9	75.8
19	78.7	81.1	82.5	87.3	89.4	85.2	83·0	80.9	82.8	83.4	79.9	78.3
20	80.6	82.8	83.3	88.1	90.6	85.7	83.3	81.6	83.7	84.3	82.8	80.7
21	82.3	83.6	84.7	88.5	91.2	85.6	83.3	81.7	84.4	85.6	84.3	81.8
22	82.6	83.3	85.0	88.6	91.3	85.8	83.4	82.0	84.6	85.8	84.0	82.1
23	82.5	82.7	84.6	88.3	90.8	85.6	82.8	81.9	84.5	85.7	83.5	82.0

TABLE XXIV.—*Excess of the Mean Hourly Temperature of Circumambient Air above the Monthly Mean.*

Göttingen Mean Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	6°4	6°0	5°1	4°7	4°3	2°5	1°2	2°3	3°2	4°2	5°8	6°5
1	4.1	4.1	3·2	2.6	2.2	1.3	0.7	1.4	1.6	2.5	3.2	3.6
2	1.7	1.1	0.6	0.6	0.2	0.0	0.0	0.3	0.2	0.2	1.4	1.8
3	0.9	0.0	- 0.6	- 0.6	- 1.2	- 0.9	- 0.5	- 0.3	- 0.4	- 0.4	0.7	1.1
4	0.1	- 0.5	- 1.2	- 1.2	- 1.7	- 1.4	- 0.6	- 0.6	- 0.8	- 0.8	0.2	0.4
5	- 0.9	- 1.2	- 1.6	- 1.7	- 2.1	- 1.4	- 0.9	- 0.6	- 1.1	- 1.2	- 0.7	- 0.8
6	- 1.8	- 2.4	- 2.1	- 2.1	- 2.4	- 1·4	- 1.2	- 0.7	- 1.4	- 1.6	- 1.8	- 2.0
7	- 2.6	- 2.9	- 2.5	- 2.3	- 2.6	- 1.3	- 1.2	- 0.9	- 1.8	- 2.0	- 2.6	- 3.0
8	- 3·3	- 3.1	- 2.8	- 2.8	- 3.0	- 1.6	- 1.3	- 1.0	- 1.9	- 2.3	- 2.9	- 3.4
9	- 3.9	- 3.9	- 3.2	- 3.3	- 3.2	- 1.8	- 1.3	- 1.3	- 1.9	- 2.4	- 3.4	- 3.7
10	- 4.5	- 4.2	- 3.9	- 3.9	- 3.7	- 1.9	- 1.6	- 1.4	- 2.2	- 2.6	- 3.8	- 4.2
11	- 4.7	- 5.0	- 4.4	- 4.4	- 3.9	- 2.0	- 1.7	- 1.7	- 2.3	- 2.9	- 4.2	- 4.5
12	- 4.7	- 5.5	- 4·7	- 4.6	- 4.2	- 2.0	- 1.9	- 1.9	- 2.5	- 3.3	- 5.0	- 5.0
13	- 5·3	- 5.8	- 5.1	- 4.9	- 4.3	- 2.4	- 1.7	- 1.8	- 2.7	- 3.6	- 5.3	- 5.4
14	- 6.0	- 6.2	- 5.4	- 5.0	- 4.2	- 2.7	- 1.5	- 1.9	- 2.8	- 3.8	- 5.4	- 5.9
15	- 5.4	- 5.9	- 4.2	- 2.5	- 1.7	- 0.6	- 1.0	- 1.5	- 2.1	- 2.9	- 4.5	- 5.3
16	- 3·1	- 3.4	- 1.6	0.2	0.0	0.0	- 0.1	- 0.3	- 0.9	- 1.2	- 2.6	- 3.1
17	- 0.9	0.1	0.8	1.7	1.4	1.1	0.8	0.6	0.3	0.3	- 0.7	- 0.9
18	1.6	2.8	2.8	3.3	2.8	1.5	1.7	0.9	1.5	1.4	1.1	1.3
19	3.7	5.5	4.5	4.4	4.1	2·7	2.3	1.4	2.4	2.8	3.1	3.8
20	5.7	7.2	5.8	5.2	5.4	3.3	2.6	2.2	3.4	4.3	6.0	6.2
21	7.4	8.0	6.7	5.6	5.9	3.2	2.6	2.2	4.1	5.0	7.5	7.3
22	7.7	7.6	7.0	5.7	6.0	3.4	2.6	2.5	4.3	5.3	7.2	7.6
23	7.6	7.1	6.6	5.4	5.4	3.1	2.1	2.4	4.1	5.1	6.7	7.5

TABLE XXV.—*Showing, for the Year* 1861, *the Mean Temperature of Circumambient Air, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Temperature of Circumambient Air.	Difference from the Mean of the Whole
	H. M.		
Noon.	4 12 P.M.	83°6	4°3
1	5 12 ,,	81·8	2.5
2	6 12 ,,	80.1	0.8
3	7 12 ,,	79.1	− 0.2
4	8 12 ,,	78.6	− 0.7
5	9 12 ,,	78.1	− 1.2
6	10 12 ,,	77.6	− 1.7
7	11 12 ,,	77.1	− 2.2
8	0 12 A.M.	76.8	− 2.5
9	1 12 ,,	76.5	− 2.8
10	2 12 ,,	76.1	− 3.2
11	3 12 ,,	75.8	− 3.5
12	4 12 ,,	75.5	− 3.8
13	5 12 ,,	75.3	− 4.0
14	6 12 ,,	75.0	− 4.3
15	7 12 ,,	76.1	− 3.2
16	8 12 ,,	77.8	− 1.4
17	9 12 ,,	79.7	0.4
18	10 12 ,,	81.2	1.9
19	11 12 ,,	82.7	3.4
20	0 12 P.M.	84.0	4.7
21	1 12 ,,	84.7	5 4
22	2 12 ,,	84.9	5.6
23	3 12 ,,	84.6	5.2

FOR DAY AND NIGHT.

Mean of { 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, } or Night.... 77°2

Mean of { 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 0, 1, } or Day..... 81.4

Mean Annual..... 79.3

TIMES OF MEAN MAXIMUM AND MINIMUM.

G. M. T.	B. C. T.
A Minimum at 14	or 6 A.M.
A Maximum at 22	or 2 P.M.

TABLE XXVI.—*Showing, for the Year* 1861, *the Hours of Göttingen Mean Time at which the Mean Temperature of Circumambient Air, in each Month, was at its Maximum and Minimum.*

Months, 1861.	The Mean Hourly Temperature of Circumambient Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Circumambient Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	82°6	68°9	13°7	22	14
February	83·6	69·4	14·2	21	14
March	85·0	72·6	12·4	22	14
April	88·6	77·9	10·7	22	14
May	91·3	81·0	10·3	22	13
June	85·8	79·7	6·1	22	14
July	83·4	78.9	4.5	22	12
August	82·0	77·6	4·4	22	13
September	84·6	77·5	7·1	22	14
October	85.8	76·7	9·1	22	14
November	84·3	71·3	13·0	21	14
December	82·1	68·5	13·6	22	14

TABLE XXVII.—*Mean Value of Absolute Horizontal Intensity, corrected for the Effects of Circumambient Air, for each Day of Göttingen Mean Time.*

Date, 1861.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1	8.0519	8.0453	8.0283	8.0355	8.0375		8.0818	8.0796	8.0534	8.0762		8.0672
2	.0461			.0357	.0311	8.0530	.0866	.0740	.0540	.0719		.0654
3	.0452	.0483	.0444	.0362	.0317	.0500	.0867		.0517	.0736	8.0668	.0698
4	.0464	.0483	.0482	.0372		.0422	.0816	.0722	.0518	.0752	.0696	.0551
5		.0506	.0495	.0307	.0326	.0447	.0833	.0752	.0503		.0695	.0526
6	.0478	.0529	.0458		.0327	.0491		.0663	.0510	.0827	.0714	.0553
7	.0510	.0504	.0475	.0349	.0332	.0543	.0813	.0746		.0765	.0489	
8	.0573	.0484		.0296	.0289		.0862	.0715	.0520	.0758	.0555	.0631
9	.0612			.0278	.0329	.0424	.0795	.0709	.0558	.0788		.0589
10	.0615	.0454	.0293	.0301	.0309	.0591	.0801		.0579	.0566*	.0615	.0542
11	.0574	.0448	.0322	.0308		.0665	.0760	.0747	.0588	.0596	.0625	.0598
12		.0454	.0319	.0314	.0379	.0583	.0836	.0749	.0591		.0643	.0650
13	.0531	.0489	.0317		.0355	.0556		.0747	.0560	.0646	.0625	.0677
14	.0488	.0501	.0319	.0259	.0345	.0647	.0839	.0725		.0636	.0608	
15	.0490	.0487	.0379	.0122*	.0351		.0835	.0631	.0410	.0638	.0613	.0676
16	.0514			.0226	.0253	.0669	.0824	.0642	.0478	.0649		.0715
17	.0549	.0443	.0385	.0281	.0267	.0693	.0851		.0530	.0675	.0683	.0626
18	.0545	.0448	.0378	.0288		.0684	.0879		.0532	.0687	.0622	.0606
19		.0455	.0339	.0313	.0278	.0720	.0881	.0457*	.0476		.0568	.0451*
20	.0577	.0497	.0357		.0294	.0731		.0548	.0589	.0671	.0669	.0467*
21	.0600	.0450	.0402	.0282	.0285	.0752	.0786	.0538		.0679	.0676	
22	.0545	.0413	.0410	.0247	.0280		.0812	.0521	.0661	.0685	.0668	.0585
23	.0481	.0446		.0281		.0728	.0822	.0557	.0621	.0676		.0649
24	.0332*		.0377	.0284	.0321	.0747	.0752		.0610	.0436*	.0630	
25	.0372*	.0386	.0265	.0278		.0736	.0764	.0548	.0638	.0483*	.0628	.0666
26		.0468		.0315	.0336	.0748	.0806	.0570	.0676		.0597	.0690
27	.0370*	.0220*	.0323		.0291	.0752		.0534	.0692	.0612	.0641	.0685
28	.0500	.0258*		.0332	.0324	.0734	.0816	.0548		.0531	.0640	
29	.0534		.0334	.0352	.0337		.0778	.0613	.0711	.0603	.0668	0.668
30	.0504			.0369	.0376	.0821	.0813	.0587	.0736	.0598		0.672
31	.0461		.0367		.0408		.0807			.0634		

* This sign denotes an Abnormal day, or a day on which a Magnetic Disturbance occurred.

TABLE XXVIII.—*Showing, for each Month, the Mean Value of Horizontal Intensity, corrected for the Effects of Circumambient Air; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Value of Horizontal Intensity.	Difference from the Mean of the Year.
	En. Un.	En. Un.
January	8.0525	−0.0029
February	.0467	− .0087
March	.0371	− .0183
April	.0308	− .0246
May	.0322	− .0232
June	.0640	.0086
July	.0819	.0265
August	.0651	.0097
September	.0573	.0019
October	.0679	.0125
November	.0634	.0080
December	.0663	.0109

FOR SEASONS.

	En. Un.
Mean of {Jan., Feb., March, / Oct., Nov., Dec.} or Winter....	8.0556
Mean of {April, May, June, / July, Aug., Sept.} or Summer ..	8.0552
Mean of the Year.....	8·0554
Greatest Monthly Mean in July.....	8·0819
Least Monthly Mean in April	8.0308
Difference....	0·0511

TABLE XXIX.—*Mean Value of Absolute Horizontal Intensity, corrected for the Effects of Circumambient Air, in each Month, for each Hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
Noon.	8.0452	8.0387	8.0291	8.0242	8.0254	8.0399	8.0790	8.0616	8.0524	8.0609	8.0539	8.0572
1	.0471	.0386	.0299	.0251	.0254	.0580	.0776	.0600	.0540	.0617	.0553	.0593
2	.0487	.0410	.0314	.0248	.0271	.0586	.0775	.0602	.0540	.0625	.0566	.0600
3	.0473	.0406	.0308	.0257	.0279	.0593	.0773	.0599	.0524	.0627	.0560	.0592
4	.0473	.0407	.0313	.0264	.0268	.0590	.0762	.0596	.0521	.0633	.0558	.0590
5	.0481	.0406	.0313	.0274	.0291	.0600	.0765	.0598	.0532	.0637	.0569	.0612
6	.0495	.0423	.0333	.0275	.0302	.0604	.0773	.0602	.0544	.0645	.0578	.0626
7	.0502	.0439	.0344	.0282	.0312	.0606	.0776	.0602	.0555	.0656	.0610	.0639
8	.0523	.0453	.0355	.0291	.0313	.0617	.0779	.0613	.0567	.0664	.0623	.0653
9	.0540	.0472	.0375	.0302	.0319	.0618	.0778	.0619	.0563	.0668	.0635	.0666
10	.0560	.0480	.0381	.0306	.0326	.0619	.0786	.0625	.0568	.0684	.0648	.0679
11	.0559	.0488	.0389	.0317	.0339	.0622	.0795	.0635	.0572	.0686	.0650	.0695
12	.0555	.0508	.0394	.0322	.0345	.0627	.0798	.0641	.0582	.0688	.0672	.0711
13	.0571	.0512	.0400	.0323	.0347	.0634	.0802	.0641	.0585	.0693	.0687	.0719
14	.0589	.0519	.0408	.0336	.0348	.0642	.0813	.0652	.0577	.0704	.0700	.0738
15	.0579	.0522	.0401	.0313	.0321	.0659	.0830	.0656	.0570	.0689	.0711	.0742
16	.0564	.0526	.0414	.0347	.0354	.0680	.0862	.0683	.0596	.0717	.0720	.0740
17	.0574	.0534	.0444	.0398	.0392	.0709	.0905	.0717	.0632	.0754	.0738	.0748
18	.0585	.0550	.0467	.0426	.0408	.0742	.0928	.0750	.0658	.0785	.0750	.0750
19	.0588	.0545	.0470	.0421	.0407	.0744	.0925	.0755	.0656	.0788	.0737	.0733
20	.0553	.0527	.0444	.0386	.0379	.0728	.0908	.0743	.0635	.0740	.0676	.0682
21	.0506	.0491	.0391	.0352	.0335	.0700	.0885	.0720	.0594	.0695	.0619	.0641
22	.0466	.0453	.0341	.0303	.0298	.0661	.0847	.0683	.0541	.0662	.0585	.0605
23	.0442	.0420	.0342	.0260	.0260	.0617	.0821	.0645	.0530	.0614	.0555	.0579

TABLE XXX.—*Showing, for the Year* 1861, *the Mean Value of Absolute Horizontal Intensity, corrected for Circumambient Air, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Horizontal Intensity.	Difference from the Mean of the Whole.
	H. M.	En. Un.	En. Un.
Noon.	4 12 P.M.	8.0490	− 0.0064
1	5 12 „	.0493	− .0061
2	6 12 „	.0500	− .0054
3	7 12 „	.0499	− .0055
4	8 12 „	.0499	− .0055
5	9 12 „	.0506	− .0048
6	10 12 „	.0516	− .0038
7	11 12 „	.0527	− .0027
8	0 12 A.M.	.0538	− .0016
9	1 12 „	.0546	− .0008
10	2 12 „	.0555	.0001
11	3 12 „	.0562	.0008
12	4 12 „	.0570	.0016
13	5 12 „	.0576	.0022
14	6 12 „	.0586	.0032
15	7 12 „	.0582	.0028
16	8 12 „	.0601	.0047
17	9 12 „	.0628	.0074
18	10 12 „	.0650	.0096
19	11 12 „	.0647	.0093
20	0 12 P.M.	.0618	.0064
21	1 12 „	.0578	.0024
22	2 12 „	.0539	− .0015
23	3 12 „	.0507	− .0047

FOR DAY AND NIGHT.

	En. Un.
Mean of {2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13,} or Night	8.0533
Mean of {14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1,} or Day	8.0576
Mean	8.0554

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G. M. T.	B. C. T.
A Minimum at	Noon	or 4 P.M.
A Maximum at	2	or 6 P.M.
A Minimum at	4	or 8 P.M.
A Maximum at	14	or 6 A.M.
A Minimum at	15	or 7 A.M.
A Maximum at	18	or 10 A.M.

TABLE XXXI.—*Showing, for the Year* 1861, *the Hours of Göttingen Mean Solar Time, about which the Mean Value of Horizontal Intensity, corrected for the Effects of Circumambient Air, in each Month, was at its Diurnal Maximum and Minimum.*

Months, 1861.	Mean Horizontal Intensity, corrected for Circumambient Air.						Mean Diurnal Range.	The Time at which the Mean Horizontal Intensity was at its					
	1st Evening Minimum.	1st Evening Maximum.	2nd Evening Minimum.	Morning Maximum.	Morning Minimum.	Mid-day Maximum.		1st Evening Minimum.	1st Evening Maximum.	2nd Evening Minimum.	Morning Maximum.	Morning Minimum.	Mid-day Minimum.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H	H	H	H	H	H
January	8.0442	8 0487	8.0473	8.0589	8·0564	8.0588	0.0147	23	2	4	14	16	19
February	.0386	.0410	.0406			.0550	.0164	1	2	5			18
March	.0291	.0314	.0308	.0408	.0401	.0470	.0179	0	2	3	14	15	19
April	.0242	.0251	.0248	.0336	.0313	.0426	.0184	0	1	2	14	15	18
May	.0254	.0279	.0268	.0 48	.0321	.0408	.0154	0	3	4	14	15	18
June	.0580	.0593	.0590			.0744	.0164	1	3	4			19
July			.0762			.0928	.0166			4			18
August			.0599			.0755	.0156			3			19
September	.0524	.0540	.0521	.0585	.0570	.0658	.0137	0	2	4	13	15	18
October	.0609			.0704	.0689	.0788	.0179	0			14	15	19
November	.0539	.0566	.0558			.0 59	.0211	0	2	4			18
December	.0572	.0600	.0590	.0742	.0740	.0750	.0178	0	2	4	15	16	18

TABLE XXXII.—*Daily Range of Horizontal Intensity, as obtained from the Scale Readings of Large Horizontal Force Magnetometer, for each Day of Göttingen Mean Time.*

Date, 1861.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1	0.0293	0.0235	0.0328	0.0295	0.0329		0.0264	0.0235	0.0157	0.0228		0.0201
2	.0150			.0349	.0246	0.0300	.0194	.0288	.0258	.0185		.0282
3	.0125	.0179	.0350	.0306	.0240	.0283	.0279		.0274	.0172	0·0253	.0254
4	.0192	.0224	.0303	.0282		.0249	.0229	.0161	.0162	.0174	.0313	.0358
5		.0233	.0292	.0326	.0265	.0261	.0305	.0376	.0187		.0285	.0272
6	.0310	.0247	.0199		.0267	.0273		.0206	.0217	.0277	.0342	.0285
7	.0172	.0240	.0207	.0382	.0274	.0254	.0223	.0212		.0195	.0359	
8	.0226	.0286		.0272	.0179		.0193	.0221	.0226	.0189	.0379	.0164
9	.0252			.0267	.0252	.0213	.0323	.0157	.0213	.0294		.0156
10	.0262	.0231	.0363	.0339	.0222	.0280	.0236		.0205	.0474	.0204	.0322
11	.0238	.0351	.0335	.0250		.0224	.0312	.0211	.0225	.0213	.0258	.0310
12		.0290	.0329	.0252	.0279	.0194	.0222	.0213	.0155		.0307	.0204
13	.0263	.0266	.0134		.0265	.0199		.0171	.0251	.0268	.0232	.0246
14	.0231	.0313	.0284	.0181	.0234	.0180	.0257	.0204		.0265	.0308	
15	.0192	.0348	.0231	.0523	.0218		.0171	.0242	.0254	.0272	.0293	.0257
16	.0212			.0311	.0225	.0281	.0198	.0230	.0331	.0247		.0282
17	.0192	.0403	.0227	.0262	.0321	.0268	.0227		.0223	.0227	.0300	.0317
18	.0151	.0397	.0316	.0279		.0181	.0192		.0260	.0282	.0272	.0231
19		.0337	.0296	.0337	.0206	.0266	.0304	.0213	.0257		.0371	.0608
20	.0305	.0271	.0357		.0262	.0226		.0221	.0272	.0318	.0300	.0303
21	.0195	.0325	.0324	.0273	.0243	.0238	.0273	.0196		.0279	.0196	
22	.0366	.0255	.0250	.0289	.0269		.0243	.0204	.0229	.0286	.0214	.0192
23	.0318	.0311		.0332		.0251	.0290	.0296	.0292	.0332		.0255
24	.0432		.0228	.0304	.0301	.0263	.0175		.0231	.0333	.0153	
25	.0265	.0317	.0264	.0272		.0204	.0232	.0245	.0249	.0250	.0170	.0208
26		.0312		.0336	.0274	.0226	.0282	.0164	.0236		.0319	.0222
27	.0377	.0569	.0316		.0203	.0261		.0228	.0239	.0300	.0247	.0183
28	.0318	.0286		.0279	.0295	.0258	.0286	.0217		.0264	.0181	
29	.0225		.0298	.0305	.0196		.0248	.0304	.0189	.0290	.0211	.0223
30	.0277			.0302	.0181	.0248	.0296	.0189	.0240	.0184		.0151
31	.0232		.0379		.0246		.0210			.0232		

TABLE XXXIII.—*Showing, for the Year* 1861, *the Hours of Göttingen Mean Time, at which the Value of Horizontal Intensity, corrected for Instrumental Errors, in Simple Hourly Observations, in each Month, was Greatest and Least.*

Months, 1861.	The Value of Horizontal Intensity corrected.		Mean Diurnal Range.	The Time at which the Value of Horizontal Intensity was at its			
	Greatest.	Least.		Greatest.		Least.	
	En. Un.	En. Un.	En. Un.	D.	H.	D.	H.
January	8·0685	8·0019	0·0666	10	19	24	9
February	·0683	7·9984	·0699	26	20	27	7
March	·0635	8·0056	·0579	31	19	1	3
April	·0646	7·9968	·0678	2	19	15	4
May	·0658	8·0199	·0159	1	19	17	3
June	·0752	·0523	·0229	3	18	13	4
July	·1098	·0668	·0430	3	19	11	4
August	·1061	·0271	·0790	5	19	19	5
September	·0755	·0343	·0412	13	18	19	3
October	·0996	·0214	·0782	9	22	10	4
November	·0897	·0258	·0641	6	20	7	6
December	·0808	7·9950	·0858	16	19	19	9

TABLE XXXIV.—*Mean Value of Absolute Vertical Intensity, corrected for Instrumental Errors, for each Day of Göttingen Mean Time.*

Date, 1861.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1	2·8152	2·7844	2·7987	2·7949	2·7990		2·7928	2·8015	2·7956	2·7888		2·7934
2	·7995			·7937	·7983	2·8006	·7922	·8009	·7949	·7838		·7926
3	·7874	·7839	·7965	·7932*	·7982	·7971	·7922		·7935	·7816	2·7807	·7924
4	·7909	·7839	·7936	·7933		·7926	·7873	·8017	·7923	·7872	·7786	·7926
5		·7786	·7980	·7939	·7998	·7931	·7755	·8015	·7968		·7780	·7943
6	·7958	·7792	·7986		·8024	·7930		·7991	·7963	·7868	·7797	·7975
7	·7970	·7784	·7985	·7927	·8034	·7931	·7784	·8025		·7933	·7775	
8	·7968	·7764		·7947	·8029		·7755	·8041	·7948	·7953	·7759	·7949
9	·8019			·7932	·8031	·7916	·7753	·8054	·7957	·7964		·7953
10	·8016	·7780	·8023	·7918	·8033	·7885	·7772		·7952	·7970*	·7757	·7974
11	·8021	·7803	·8003	·7920		·7922	·7770	·8093	·7949	·7965	·7754	·7915
12		·7814	·8050	·7914	·8042	·7914	·7765	·8059	·7948		·7741	·7843
13	·8030	·7848	·8041		·7991	·7949		·8030	·7938	·7945	·7749	·7823
14	·8033	·7890	·8027	·7892	·8007	·7935	·7920	·7927		·7941	·7743	
15	·8031	·7895	·8012	·7904*	·8022		·8026	·8021	·7910	·7940	·7758	·7800
16	·8030			·7898	·8033	·7920	·7942	·7968	·7902	·7931		·7821
17	·8012	·7883	·7979	·7916	·8034	·7929	·7862		·7925	·7919	·7732	·7825
18	·7992	·7902	·7980	·7926		·7938	·7844		·7921	·7909	·7700	·7824
19		·7876	·7989	·7912	·8070	·7920	·7853	·7696*	·7908		·7687	·7851*
20	·8013	·7894	·8003		·8065	·7952		·7715	·7902	·7934	·7679	·7865
21	·8032	·7915	·7993	·7887	·8040	·7945	·7966	·7723		·7953	·7668	
22	·8077	·7923	·7999	·7836	·8029		·8052	·7724	·7902	·7944	·7660	·7868
23	·7871	·7955		·7873		·7945	·8051	·7756	·7907	·7945		·7875
24	·7882*		·7999	·7870	·7984	·7936	·8044		·7903	·7942*	·7641	
25	·7904*	·7945	·7987	·7842		·7923	·8035	·7742	·7901	·7947*	·7640	·7906
26		·7943		·7852	·7969	·7952	·8028	·7713	·7904		·7637	·7890
27	·7934*	·7960*	·7976		·7974	·7923		·7746	·7884	·7938	·7626	·7890
28	·8014	·7979*		·7846	·7989	·7875	·8020	·7962		·7918	·7623	
29	·8015		·7947	·7873	·8012		·8071	·7961	·7885	·7905	·7617	·8135
30	·8012			·7964	·8011	·7907	·8077	·7971	·7889	·7892		·8185
31	·7861		·7948		·8011		·8085			·7867		

* This sign denotes an Abnormal day, or a day on which the Magnetic Disturbance took place.

TABLE XXXV.—*Showing, for each Month, the Mean Value of Vertical Intensity, corrected for Instrumental Errors; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Value of Vertical Intensity.	Difference from the Mean of the Year.	FOR SEASONS.
	En. Un.	En. Un.	En. Un.
January	2.7996	0.0080	Mean of {Jan., Feb., March, / Oct., Nov., Dec.} or Winter 2.7898
February.....	.7859	−.0057	
March	.7991	.0075	
April	.7882	−.0034	Mean of {Apr., May, June, / July, Aug., Sept.} or Summer.... 2.7934
May.....	.8014	.0098	
June.....	.7932	.0016	
July.....	.7922	.0006	Mean of the Year.. 2.7916
August	.7923	.0012	
September	.7924	.0008	Greatest Monthly Mean in May 2.8014
October	.7916	.0000	Least Monthly Mean in November..... 2.7713
November	.7713	−.0203	
December.....	.7916	.0000	Difference.... 0.0301

TABLE XXXVI.—*Mean Value of Vertical Intensity, corrected for Instrumental Errors, in each Month, for each Hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
Noon.	2.8011	2.7852	2.7993	2.7885	2.8022	2.7935	2.7923	2.7925	2.7933	2.7914	2.7716	2.7894
1	.8010	.7852	.7984	.7874	.8008	.7931	.7917	.7925	.7929	.7912	.7712	.7896
2	.8007	.7856	.7985	.7871	.8005	.7920	.7908	.7930	.7926	.7911	.7710	.7900
3	.8011	.7867	.7993	.7872	.8001	.7919	.7908	.7929	.7925	.7912	.7713	.7904
4	.8014	.7862	.7999	.7874	.8004	.7928	.7913	.7933	.7926	.7915	.7714	.7913
5	.8014	.7856	.7997	.7876	.8014	.7930	.7915	.7936	.7924	.7916	.7714	.7926
6	.8012	.7861	.7999	.7883	.8018	.7934	.7915	.7935	.7922	.7916	.7714	.7923
7	.8015	.7866	.8001	.7887	.8024	.7942	.7916	.7933	.7923	.7916	.7713	.7928
8	.8015	.7870	.8003	.7896	.8028	.7942	.7920	.7932	.7921	.7916	.7713	.7924
9	.8012	.7870	.7997	.7901	.8028	.7944	.7924	.7933	.7922	.7915	.7714	.7927
10	.8010	.7872	.7997	.7898	.8028	.7947	.7925	.7932	.7922	.7916	.7713	.7927
11	.8009	.7872	.7995	.7898	.8029	.7947	.7929	.7934	.7925	.7915	.7713	.7929
12	.7998	.7866	.7996	.7896	.8031	.7948	.7929	.7934	.7924	.7915	.7711	.7929
13	.7990	.7871	.7996	.7901	.8041	.7961	.7931	.7933	.7924	.7915	.7712	.7933
14	.7998	.7869	.8007	.7914	.8060	.7978	.7934	.7934	.7926	.7911	.7712	.7932
15	.8004	.7878	.8016	.7911	.8051	.7971	.7934	.7931	.7926	.7917	.7712	.7931
16	.8010	.7890	.8005	.7886	.8023	.7947	.7931	.7922	.7919	.7916	.7712	.7938
17	.7992	.7891	.7979	.7862	.7986	.7920	.7924	.7917	.7918	.7917	.7710	.7936
18	.7957	.7852	.7948	.7844	.7971	.7899	.7920	.7907	.7917	.7916	.7711	.7927
19	.7943	.7830	.7938	.7837	.7966	.7889	.7921	.7908	.7918	.7918	.7713	.7903
20	.7954	.7827	.7954	.7846	.7978	.7894	.7918	.7912	.7921	.7918	.7714	.7895
21	.7972	.7837	.7984	.7865	.7979	.7912	.7918	.7911	.7925	.7919	.7715	.7897
22	.7982	.7840	.8002	.7880	.8014	.7921	.7921	.7914	.7928	.7921	.7718	.7896
23	.7994	.7846	.8006	.7891	.8020	.7930	.7919	.7913	.7930	.7921	.7719	.7893

TABLE XXXVII.—*Excess of the Mean Hourly Value of Vertical Intensity, corrected for Instrumental Errors, above the Monthly Mean.*

Göttingen Mean Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
Noon.	0.0015	-0.0007	0.0002	0.0003	0.0008	0.0003	0.0001	-0.0003	0.0009	-0.0002	0.0003	-0.0022
1	.0014	- .0007	- .0007	- .0008	- .0006	- .0001	- .0005	- .0003	.0005	- .0004	- .0001	- .0020
2	.0011	- .0003	- .0006	- .0011	- .0009	- .0012	- .0014	.0002	.0002	- .0005	- .0003	- .0016
3	.0015	.0008	.0002	- .0010	- .0013	- .0013	- .0014	.0001	.0001	- .0004	.0000	- .0012
4	.0018	.0003	.0008	- .0008	- .0010	- .0014	- .0009	.0005	.0002	- .0001	.0001	- .0003
5	.0018	- .0003	.0006	- .0006	.0000	- .0002	- .0007	.0005	.0000	.0000	.0001	.0010
6	.0016	.0002	.0008	.0001	.0004	- .0002	- .0007	.0007	- .0002	.0000	.0001	.0007
7	.0019	.0007	.0010	.0005	.0010	.0010	- .0006	.0005	- .0001	.0000	.0000	.0012
8	.0019	.0011	.0012	.0014	.0014	.0010	- .0002	.0004	- .0005	.0000	.0000	.0008
9	.0016	.0011	.0006	.0019	.0014	.0012	.0002	.0005	- .0002	- .0001	.0001	.0011
10	.0014	.0013	.0006	.0016	.0014	.0015	.0003	.0004	- .0002	.0000	.0000	.0011
11	.0013	.0013	.0004	.0016	.0015	.0015	.0007	.0006	.0001	- .0001	.0000	.0013
12	.0002	.0007	.0005	.0014	.0017	.0016	.0007	.0006	.0000	- .0001	- .0002	.0013
13	- .0006	.0012	.0005	.0019	.0027	.0029	.0009	.0005	.0000	- .0001	- .0001	.0017
14	.0002	.0010	.0016	.0032	.0046	.0046	.0012	.0006	.0002	- .0005	- .0001	.0016
15	.0008	.0019	.0025	.0029	.0037	.0039	.0012	.0003	.0002	.0001	- .0001	.0015
16	.0014	.0031	.0014	- .0004	.0009	.0015	.0009	- .0006	- .0005	.0000	- .0001	.0022
17	- .0004	.0035	- .0012	- .0020	- .0028	- .0012	.0002	- .0011	- .0006	.0001	- .0003	.0020
18	- .0039	- .0007	- .0043	- .0038	- .0043	- .0033	- .0002	- .0021	- .0007	.0000	- .0002	.0011
19	- .0053	- .0029	- .0053	- .0045	- .0048	- .0043	- .0001	- .0020	- .0006	.0002	.0000	- .0013
20	- .0042	- .0032	- .0037	- .0036	- .0036	- .0038	- .0004	- .0016	- .0003	.0002	.0001	- .0021
21	- .0024	- .0022	- .0007	- .0017	- .0035	- .0020	- .0004	- .0017	- .0001	.0003	.0002	- .0019
22	- .0014	- .0019	.0011	- .0002	.0000	- .0011	- .0001	- .0014	- .0004	.0005	.0005	- .0020
23	- .0002	- .0013	.0015	.0009	.0006	- .0002	- .0003	- .0015	- .0006	.0005	.0006	- .0023

TABLE XXXVIII.—*Showing, for the Year* 1861, *the Mean Value of Vertical Intensity, corrected for Instrumental Errors, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Vertical Intensity.	Difference from the Mean of the Whole.
	H. M.	En. Un.	En. Un.
Noon.	4 12 P.M.	2.7917	0.0001
1	5 12 „	.7912	- .0004
2	6 12 „	.7911	- .0005
3	7 12 „	.7913	- .0003
4	8 12 „	.7916	.0000
5	9 12 „	.7918	.0002
6	10 12 „	.7919	.0003
7	11 12 „	.7922	.0006
8	0 12 A.M.	.7923	.0007
9	1 12 „	.7921	.0008
10	2 12 „	.7924	.0008
11	3 12 „	.7925	.0009
12	4 12 „	.7923	.0007
13	5 12 „	.7926	.0010
14	6 12 „	.7931	.0015
15	7 12 „	.7932	.0016
16	8 12 „	.7925	.0009
17	9 12 „	.7913	- .0003
18	10 12 „	.7897	- .0019
19	11 12 „	.7890	- .0026
20	0 12 P.M.	.7894	- .0022
21	1 12 „	.7903	- .0013
22	2 12 „	.7912	- .0004
23	3 12 „	.7915	- .0001

FOR DAY AND NIGHT.

Mean of { 2, 3, 4, 5, 6, 7, 8, / 9, 10, 11, 12, 13, } or Night .... En. Un. 2.7921

Mean of { 14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1, } or Day 2.7912

Mean Annual..... 2.7916

TIMES OF MEAN MAXIMUM AND MINIMUM.

G. M. T.	B. C. T.
A Maximum at	Noon or 4 P.M.
A Minimum at	2 or 6 P.M.
A Maximum at	11 or 3 A.M.
A Minimum at	12 or 4 A.M.
A Maximum at	15 or 7 A.M.
A Minimum at	19 or 11 A.M.

TABLE XXXIX.—*Showing, for the Year* 1861, *the Hours of Göttingen Mean Solar Time, about which the Mean Value of Vertical Intensity, corrected for Instrumental Errors, in each Month, was at its Maximum and Minimum.*

Months, 1861.	The Mean Hourly Value of Vertical Intensity.						Mean Diurnal Range.	The Time at which Mean Value of Vertical Intensity was at its					
	Evening Maximum.	Evening Minimum.	Midnight Maximum.	Midnight Minimum.	Morning Maximum.	Mid-day Minimum.		Evening Maximum.	Evening Minimum.	Midnight Maximum.	Midnight Minimum.	Morning Maximum.	Mid-day Minimum.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H	H	H	H	H	H
January	2.8011	2.8007	2.8015	2.7990	2.8010	2.7963	0.0052	24	2	8	13	16	19
February	.7867	.7856	.7872	.7866	.7891	.7827	.0064	3	5	11	12	17	20
March	.8006	.7984	.8003	.7995	.8016	.7938	.0088	23	1	8	11	15	19
April	.7891	.7871	.7901	.7896	.7914	.7837	.0077	23	2	9	12	14	19
May	.8022	.8001			.8060	.7966	.0094	24	3			14	19
June	.7935	.7919			.7978	.7889	.0089	24	3			14	19
July	.7923	.7908			.7934	.7918	.0026	24	3			14	20
August			.7936	.7932	.7934	.7907	.0029			5	8	14	18
September	.7933	.7925	.7926	.7921	.7926	.7917	.0016	24	3	4	8	15	18
October	.7921	.7911			.7917	.7916	.0010	23	2			15	18
November	.7719	.7710	.7714	.7711	.7712	.7710	.0009	23	2	9	12	14	17
December	.7897	.7893	.7933	.7931	.7938	.7895	.0045	21	23	13	15	16	20

TABLE XL.—*Daily Range of Vertical Intensity, corrected for Instrumental Errors, for each Day of Göttingen Mean Time.*

Date, 1861.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1	0.0126	0.0150	0.0091	0.0090	0.0126		0.0028	0.0044	0.0020	0.0050		0.0031
2	.0362			.0078	.0123	0.0120	.0068	.0012	.0035	.0025		.0022
3	.0075	.0063	.0132	.0123	.0111	.0145	.0014		.0056	.0021	0.0036	.0013
4	.0098	.0068	.0080	.0114		.0113	.0179	.0020	.0060	.0093	.0017	.0012
5		.0100	.0110	.0085	.0133	.0084	.0091	.0021	.0023		.0047	.0067
6	.0098	.0108	.0079		.0094	.0108		.0074	.0032	.0013	.0019	.0067
7	.0052	.0081	.0077	.0074	.0099	.0098	.0028	.0129		.0115	.0033	
8	.0087	.0080		.0073	.0081		.0027	.0100	.0038	.0034	.0013	.0109
9	.0107			.0054	.0080	.0068	.0108	.0079	.0021	.0022		.0106
10	.0060	.0086	.0148	.0105	.0139	.0113	.0082		.0019	.0027	.0039	.0072
11	.0072	.0082	.0116	.0151		.0133	.0054	.0292	.0025	.0026	.0016	.0167
12		.0104	.0107	.0101	.0117	.0148	.0049	.0075	.0025		.0026	.0013
13	.0115	.0113	.0159		.0105	.0075		.0186	.0020	.0018	.0021	.0081
14	.0109	.0123	.0092	.0073	.0129	.0150	.0077	.0016		.0021	.0096	
15	.0131	.0086	.0092	.0078	.0084		.0092	.0146	.0035	.0018	.0018	.0070
16	.0056			.0073	.0097	.0118	.0131	.0267	.0016	.0019		.0064
17	.0124	.0103	.0154	.0083	.0081	.0098	.0038		.0068	.0013	.0017	.0072
18	.0102	.0069	.0090	.0051		.0106	.0037		.0052	.0015	.0062	.0090
19		.0090	.0060	.0060	.0139	.0113	.0044	.0056	.0021		.0037	.0079
20	.0099	.0054	.0060		.0082	.0116		.0020	.0016	.0056	.0018	.0055
21	.0083	.0053	.0051	.0117	.0079	.0086	.0256	.0018		.0023	.0013	
22	.0122	.0063	.0118	.0125	.0114		.0032	.0032	.0023	.0028	.0018	.0077
23	.0120	.0048		.0118		.0160	.0037	.0038	.0025	.0019		.0084
24	.0062		.0122	.0087	.0159	.0092	.0036		.0014	.0015	.0015	
25	.0066	.0130	.0087	.0134		.0095	.0018	.0083	.0022	.0018	.0023	.0096
26		.0101		.0130	.0124	.0064	.0024	.0021	.0025		.0019	.0093
27	.0080	.0088	.0100		.0099	.0081		.0308	.0037	.0018	.0021	.0088
28	.0100	.0063		.0097	.0085	.0062	.0021	.0039		.0022	.0019	
29	.0090		.0134	.0103	.0110		.0055	.0036	.0014	.0015	.0030	.0351
30	.0110			.0192	.0089	.0101	.0022	.0019	.0014	.0019		.0063
31	.0176		.0089		.0095		.0032			.0026		

TABLE XLI.—*Showing, for the Year* 1861, *the Hours of Göttingen Mean Time, at which the Value of Vertical Intensity, corrected for Instrumental Errors, in Simple Hourly Observations, in each Month, was Greatest and Least.*

Months, 1861.	The Value of Vertical Intensity.		Mean Diurnal Range.	The Time at which the Value of Vertical Intensity was at its			
	Greatest.	Least.		Greastest.		Least.	
	En. Un.	En. Un.	En. Un.	D.	H.	D.	H.
January	2·8192	2 7797	0·0395	1	2	31	20
February	·7912	·7727	·0185	1	16	10	21
March	·8109	·7862	·0247	12	23	3	19
April	·8050	·7750	·0300	30	14	22	19
May	.8125	·7888	·0237	19	14	24	19
June	·8051	·7810	·0241	2	14	10	19
July	·8102	·7666	·0436	31	16	9	20
August	·8106	·7678	·0428	8	14	27	20
September	·7971	.7867	·0104	1	23	27	18
October	·7948	·7801	·0147	27	3	4	1
November	·7768	·7761	·0007	15	23	5	5
December	·8237	·7821	·0416	29	16	26	20

TABLE XLII.—*Mean Temperature of Air confined within the Box of the Vertical Force Magnetometer, for each Day of Göttingen Mean Time.*

Date, 1861.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	81°6	78°3	79°3	84°2	85°8		80°6	83°2	81°2	82°8		79°1
2	81.2			85.2	86.2	81°4	81.5	82.8	81.6	82.7		78.9
3	80.9	77.7	76.9	85.2	86.4	83.5	82·8		81.4	82.3	82°4	79.0
4	80.6	76.9	76.3	84.7		85.8	83.9	83.7	81.4	82.1	81.4	78.7
5		76·5	76.2	84.4	87.2	86.2	84.2	83.7	81.5		81.3	78.6
6	79.2	75.7	76.6		87.6	85.8		84.2	81.9	81.5	81.1	78.7
7	78.6	75.8	77.6	84.6	87.7	84.6	84.4	83.5		82.1	79.6	
8	77.7	76·3		84.3	87.7		84.7	83.2	81.0	82.4	79.6	78.8
9	75.8			85.3	88.0	86.6	84 1	84.0	80.5	8 3.3		77.5
10	76.3	75.7	78.2	86.6	87.5	87.0	83·7		81.6	84·0	80.9	76.5
11	77.2	76.0	80.1	86.1		86.9	84.4	82.6	81.3	84.6	80.8	76.0
12		75.2	82.8	85.6	86.5	86.7	83.9	80.6	82.4		80.4	76.7
13	79 0	75.0	84.0		86.7	86.0		79.9	82.8	84.5	81.0	76.5
14	80.7	75.1	83.7	84.4	87.2	84.0	81.5	78.8		84.7	80·9	
15	81.3	76.5	82.5	84.9	87.9		81.0	78.3	82.5	84.6	80·8	77.9
16	80.5			85.9	87.3	85.1	81.9	80.0	82.0	83.5		77.3
17	78.8	77.7	80.5	85.7	87.4	85.1	80.9		82.0	82.7	80.4	77.2
18	77.9	79 3	80.8	85.9		85.6	79.9		82.5	82.3	79.8	77.6
19		80.3	81.7	86.6	88.0	85.9	80.0	78.8	82.8		79.4	77.7
20	74.7	80.5	81.9		88.4	84.1		79.9	82.7	83.4	79.1	77.5
21	75.9	80.2	81.3	85.6	88.5	83.7	81.8	80.8		84.1	79.0	
22	73.9	79.9	81.1	85.1	88.6		81.4	80.5	83.3	82.9	79.2	78.3
23	74.2	80 2		85.2		83.6	81.1	80.1	83.8	82.9		77.9
24	75.6		81.1	85.6	89.4	83.9	82.5		84.1	83.1	79.3	
25	76.6	81 0	81.0	85.6		83.9	82.5	80.7	84·3	83.4	79.2	77.4
26		82.6		85.4	88.7	82.9	82.3	79.9	84.6		79.0	77.3
27	78.3	83.2	81.5		89.0	83.5		80.7	83.6	84.4	79.7	76.8
28	75.2	80.8		85.3	89.5	83.3	82.6	81.3		84.9	79.5	
29	74.4		83.3	86.2	89.8		82.5	80·6	83.1	84.9	79.3	75.3
30	75.8			85.3	89.3	81.6	82.8	79.5	82.2	84.9		76.3
31	76.7		82.7		87.5		83.3			84.1		

TABLE XLIII.—*Showing, for each Month, the Mean Temperature of Air confined within the Box of the Vertical Force Magnetometer; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Temperature of Air within the Box of Vertical Force.	Difference from the Mean of the Year.	FOR SEASONS.
	°	°	
January	77.8	−4.0	
February.....	77.9	−3.9	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter 79.6
March	80.5	−1.3	
April	85.4	3.6	Mean of { April, May, June, / July, Aug., Sept. } or Summer .. 84.0
May.....	87.8	6.0	
June.....	84.7	2.9	Mean of the Year 81.8
July	82.5	0.7	
August	81.4	−0.4	Greatest Monthly Mean in May 87.8
September	82.4	0.6	Least Monthly Mean in December..... 77.6
October	83.5	1.7	
November	80.1	−1.7	Difference..... 10.2
December	77.6	−4.2	

TABLE XLIV.—*Mean Temperature of Air confined within the Box of the Vertical Force Magnetometer, in each Month, for each Hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	°	°	°	°	°	°	°	°	°	°	°	°
Noon.	80.7	80.9	83.4	87.9	9.2	86.3	83.3	82.5	84.3	85.6	83.0	80.8
1	80.6	80.8	83.1	87.8	90.0	86.2	83.3	82.3	83.9	85.3	82.6	80.4
2	79.9	79.9	82.4	87.2	89.5	85.8	83.0	82.2	83.5	84.6	81.8	79.7
3	79.4	79.2	81.8	86.5	88.8	85.3	82.8	81.9	83.1	84.2	81.3	79.1
4	79.0	78.6	81.2	86.0	88.3	85.0	82.6	81.6	82.7	83.9	80.9	78.6
5	78.6	78.4	80.8	85.7	88.0	84.7	82.5	81.6	82.4	83.7	80.6	78.1
6	78.2	78.0	80.5	85.4	87.7	84.6	82.4	81.4	82.2	83.4	80.3	77.7
7	77.9	77.7	80.2	85.0	87.4	84.4	82.3	81.3	81.9	83.2	80.0	77.1
8	77.5	77.4	79.9	84.8	87.2	84.3	82.2	81.2	81.8	83.1	79.7	76.8
9	77.0	77.1	79.8	84.5	87.0	84.2	81.9	81.1	81.8	82.8	79.5	76.7
10	76.7	76.8	79.6	84.3	86.8	84.1	81.8	81.0	81.7	82.6	79.2	76.5
11	76.5	76.5	79.3	84.0	86.6	83.9	81.8	80.8	81.5	82.4	78.9	76.2
12	76.2	76.1	79.0	83.8	86.5	83.9	81.7	80.7	81.4	82.3	78.6	75.9
13	76.0	75.7	78.8	83.6	86.2	83.8	81.6	80.6	81.3	82.1	78.1	75.6
14	75.7	75.3	78.5	83.5	86.0	83.5	81.6	80.5	81.3	82.0	77.9	75.3
15	75.5	75.1	78.4	83.4	86.1	83.5	81.7	80.4	81.1	81.9	77.7	75.0
16	75.5	75.2	78.6	83.7	86.3	83.7	81.8	80.6	81.2	82.0	78.0	75.3
17	75.9	75.8	79.0	84.2	86.8	84.0	82.1	80.9	81.5	82.3	78.5	75.7
18	76.5	76.6	79.5	85.0	87.4	84.4	82.5	81.1	82.0	82.8	79.2	76.4
19	77.4	77.6	80.4	85.7	88.0	84.8	82.9	81.4	82.5	83.4	80.0	77.4
20	78.3	78.6	81.3	86.4	88.5	85.2	83.1	81.7	82.9	84.1	80.9	78.3
21	78.9	79.7	81.5	86.8	89.1	85.4	83.2	81.8	83.5	84.6	81.7	79.1
22	79.7	80.4	82.6	87.2	89.6	85.7	83.5	82.0	83.9	85.2	82.3	79.8
23	80.2	80.9	83.1	87.7	90.0	86.0	83.6	82.2	84.2	85.5	82.6	80.3

TABLE XLV.—*Excess of the Mean Hourly Temperature of Air within the Box of the Vertical Force Magnetometer, above the Monthly Mean.*

Göttingen Mean Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	2°9	3°0	2°9	2°5	2°3	1°6	0°8	1°1	1°9	2°2	2°8	3°2
1	2,8	2,9	2,6	2.4	2.2	1.5	0.8	0.9	1·6	1.8	2.5	2,8
2	2,1	2,1	1,8	1,8	1.6	1.1	0.5	0.8	1·1	1.1	1.7	2,2
3	1,6	1,3	1.2	1.1	1.0	0.6	0.3	0.5	0·7	0.8	1.2	1,4
4	1,1	0.8	0.7	0.6	0.5	0.3	0.1	0.2	0·3	0.5	0.8	1,1
5	0,8	0,6	0.2	0.2	0.2	0·0	0.0	0.2	0.0	0.2	0.5	0,5
6	0,3	0,2	-0.1	0.0	-0.1	-0.1	-0.1	0.0	-0·2	0.0	0.2	0,1
7	0,1	-0.2	-0.3	-0.4	-0.4	-0.3	-0.2	-0.1	-0.5	-0.2	-0.1	-0.4
8	-0,3	-0,5	-0.6	-0.6	-0,6	-0.4	-0.3	-0.2	-0.6	-0.4	-0.4	-0,7
9	-0,8	-0.7	-0.7	-1.0	-0,8	-0.5	-0.5	-0.3	-0.6	-0.7	-0.7	-0,9
10	-1.1	-1.0	-1.0	-1.1	-1.0	-0.6	-0.6	-0.4	-0.7	-0.8	-0.9	-1.1
11	-1.3	-1.4	-1.2	-1.4	-1.2	-0.7	-0.7	-0.6	-0.9	-1.0	-1.2	-1.4
12	-1.6	-1.7	-1.5	-1.6	-1.3	-0.8	-0.8	-0.7	-1.0	-1.2	-1.5	-1.7
13	-1.8	-2.1	-1.7	-1.8	-1.6	-0.9	-0.8	-0.8	-1.1	-1.3	-2.0	-2.0
14	-2.1	-2.5	-2.0	-1.9	-1.8	-1.2	-0.8	-0.9	-1.1	-1.5	-2.2	-2.3
15	-2.3	-2.7	-2.1	-2.0	-1.7	-1.2	-0.8	-1.0	-1.3	-1.6	-2.5	-2.6
16	-2.3	-2.6	-1.9	-1.7	-1.5	-0.9	-0.7	-0.8	-1.2	-1.5	-2.2	-2.2
17	-1.9	-2.1	-1.5	-1.2	-1.0	-0.6	-0.3	-0.5	-0.9	-1.1	-1.6	-1.9
18	-1.3	-1.3	-1.0	-0.4	-0.5	-0.3	0.1	-0.2	-0.4	-0.6	-1.0	-1.1
19	-0.4	-0.2	-0.1	0.2	0.1	0.1	0.4	0.0	0.1	-0.1	-0.1	-0.2
20	0.5	0.8	0.7	0.9	0.7	0.5	0.6	0.3	0.5	0.6	0.8	0.8
21	1.1	1.8	0.9	1.3	1.3	0.7	0.8	0.4	1.1	1.2	1.5	1.5
22	1.9	2.5	2.0	1.4	1.7	1.0	1.0	0.6	1·5	1.7	2.1	2.2
23	2.4	3.0	2.6	2.2	2.1	1·3	1.1	0.8	1.8	2.1	2.5	2.8

TABLE XLVI.—*Showing, for the Year* 1861, *the Mean Temperature of Air within the Box of the Vertical Force Magnetometer, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Temperature of Vertical Force.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	H. M.			
Noon.	4 12 P.M.	84°1	2°3	
1	5 12 ,,	83.9	2.1	
2	6 12 ,,	83·3	1.5	
3	7 12 ,,	82·8	1.0	Mean of { 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, } or Night.. 81°6
4	8 12 ,,	82·4	0.6	
5	9 12 ,,	82·1	0.3	
6	10 12 ,,	81·8	0.0	Mean of { 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 1, } or Day.... 82.0
7	11 12 ,,	81·5	− 0.3	
8	0 12 A.M.	81·3	− 0.5	
9	1 12 ,,	81·1	− 0.7	Mean Annual..... 81·8
10	2 12 ,,	80·9	− 0.9	
11	3 12 ,,	80·7	− 1.1	
12	4 12 ,,	80·5	− 1.3	
13	5 12 ,,	80·3	− 1.5	
14	6 12 ,,	80·1	− 1.7	TIMES OF MEAN MAXIMUM AND MINIMUM:
15	7 12 ,,	80·0	− 1.8	
16	8 12 ,,	80·2	− 1.6	G. M. T. B. C. T.
17	9 12 ,,	80·6	− 1.2	A Maximum at noon or 4 P.M.
18	10 12 ,,	81·1	− 0.7	A Minimum at 15 or 7 A.M.
19	11 12 ,,	81·8	0.0	
20	0 12 P.M.	82·4	0.6	
21	1 12 ,,	82·9	1.1	
22	2 12 ,,	83·3	1.5	
23	3 12 ,,	83·9	2.1	

TABLE XLVII.—*Showing, for the Year* 1861, *the Hours of Göttingen Mean Time at which the Mean Temperture of Air within the Box of the Vertical Force, in each Month, was at its Maximum and Minimum.*

Months, 1861.	The Mean Hourly Temperature of Vertical Force.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Vertical Force was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	80°7	75°5	5°2	Noon.	15 and 16
February	80.9	75.1	5.8	,,	15
March	83.4	78.4	5.0	,,	15
April	87.9	83.4	4.5	,,	15
May	90.2	86.0	4.2	,,	14
June	86.3	83.5	2.8	,,	14 and 15
July	83.6	81.6	2.0	23	13 and 14
August	82.5	80.4	2.1	Noon.	15
September	84.3	81.1	3.2	,,	15
October	85.6	81.9	3.7	,,	15
November	83.0	77.7	5.3	,,	15
December	80.8	75.0	5.8	,,	15

TABLE XLVIII.—*Mean Value of Calculated Dip, corrected for Instrumemtal Errors, for each Day of Göttingen Mean Time.*

Date, 1861.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	19°16'6	19°05'5	19°13'9*	9°10'4	19°12'3		19°04'2	19°07'6	19°10'1	19°03'1		19°07'2
2	.11.5			.09.4	.12.7	19°09'9	.03.1	.08.0	.09.7	.01.7		.07.1
3	.06.9	.05.4	.11.2	.09.4	.12.7	.08.0	.02.6		.09.2	.00.8	19°01'4	.06.5
4	.08.3	.05.4	.09.9	.09.6		.07.1	.01.3	.08.4	.08.6	.02.8	.00.4	.08.3
5		.03.2	.11.5	.10.6	.12.9	.07.3	18·56.4	.07.8	.10.4		.00.3	.09.4
6	.10 1	.03.2	.12.3		.14.0	.07.0		.07.9	.09.9	.01.7	.00.7	.10·3
7	.10.8	.03.1	.11.5	.09.6	.14.2	.06.6	.57.6	.02.6		.04.7	.02.9	
8	.10.1	.02.6		.10.9	.14.5		.55.9	.01.4	.09.0	.05.6	.01.5	.07.9
9	.11.7			.10.5	.13.9	.05.9	.56.8	.01.7	.09.0	.05.6		.09.2
10	.11.1	.03.3	.15.2	.09.3	.14.5	.04.0	.57.5		.07.9	.09.8*	.00.3	.11.0
11	.11.1	.04.5	.13.4	.09.8		.04.6	.57.9	.00.4	.07.7	.07.9	.00.2	.08.1
12		.05.3	.14.6	.09.7	.13.6	.06.3	.57.1	.00.2	.07.3		18.59.5	.04.8
13	.11.5	.06.1	.14.3		.11.7	.07.7		.00.5	.07.1	.06.4	.59.9	.03.9
14	.11.5	.07.5	.14.0	.08.7	.12.1	.06.3	19.03.4	18.59.8		.06.2	.59.9	
15	.11.4	.07.8	.12.9	.12.1*	.12.6		.07.5	19.07.3	.07.3	.06.4	19.00.6	.02.9
16	.11.2			.10.3	.14.2	.05.1	.04.2	.05.6	.06.9	.06.2		.03.0
17	.10.7	.07.7	.11.8	.10.5	.13.8	.05.2	.01.2		.07.1	.05.6	18.58.9	.04.4
18	.10.3	.08.1	.11.8	.10.4		.05.5	.00.3		.06.8	.05.2	.58.6	.04.5
19		.07.0	.12.5	.09.4	.14.7	.04.5	.00.5	.04.4*	.07.1		.59.0	.07.3*
20	.11.5	.07.6	.13.0		.14.1	.05.9		.03.3	.05.6	.06.1	.57.3	.07.5
21	.11.8	.09.0	.12.1	.09.1	.13.0	.05.2	.05.7	.03.2		.06.7	.56.0	
22	.15·0	.09.9	.12.4	.07.5	.12.7		.08.9	.03.6	.04.7	.06.4	.56.6	.05.8
23	.07.4	.10.6		.08.6		.05.3	.08.6	.03.7	.05.3	.06.8		.05.6
24	.09.2*		.12.8	.08.4	.10.0	.04.9	.09.0		.05.2	.09.7*	.56.4	
25	.09.8*	.10.0	.13.7	.07.4		.04.5	.08.7	.02.9	.04.9	.09.0*	.56.0	.06.6
26		.09.0		.07.6	.08.7	.05.6	.07.9	.01.5	.04.3		.55.9	.05.8
27	.10.6*	.13.3*	.12.4		.09.8	.04.2		.02.7	.03.8	.06.4	.54.6	.06.0
28	.12.8	.13.9*		.07.1	.09.9	.02.6	.07.4	.10.8		.06.6	.54.0	
29	.12.4		.10.8	.07.9	.10.1		.09.8	.09.9	.03.7	.05.0	.53.1	.15.8
30	.12.2			.11.4	.10.3	.03.2	.09.5	.10.6	.03.4	.04.9		.17.4
31	.06.5		.10.8		.09.9		.09.9			.03.3		

* This sign denotes an Abnormal day, or a day on which a Magnetic Disturbance took place.

TABLE XLIX.—*Showing, for each Month, the Mean Value of Calculated Dip; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Value of Calculated Dip.	Difference from the Mean of the Year.	FOR SEASONS.
January	19°11'0	0°04'3	Mean of {Jan., Feb., March, / Oct., Nov., Dec.} or Winter..... 19°06'9
February	.06.4	– .00.3	
March	.12.6	.05 9	
April.....	.05.3	– .01.4	Mean of {April, May, June, / July, Aug., Sept.} or Summer 19.06.5
May.....	.12.4	.05.7	
June.....	.05.9	– .00.8	
July.....	.03.4	– .03.3	Mean of the Year 19.06.7
August.....	.04.8	– .01.9	
September	.07.0	.00.3	Greatest Monthly Mean in March..... 19.12.6
October	.05.1	– .01.6	Least Monthly Mean in November..... 18.58.5
November	18.58.5	– .08.2	
December	19.07.5	.00.8	Difference..... 0.14.1

TABLE L.—*Mean Value of Calculated Dip, corrected for Instrumental Errors, in each Month, for each Hour of Göttingen Mean Time.*

Göttingen Mean Time	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	19°11'0	19°05'8	19°12'6	19°05'4	19°12'6	19°05'9	19°03'4	19°04'6	19°07'3	19°05'0	18°58.7	19°06'4
1	.11.1	.06.3	.12.5	.05.4	.12.5	.06.0	.03.8	.05.0	.07.3	.05.3	.58.9	.06.6
2	.11.6	.06.8	.12.8	.05.5	.12.6	.05.9	.03.7	.05.5	.07.5	.05.5	.59.1	.07.3
3	.12.1	.08.5	.13.6	.05.8	.12.6	.05.9	.03.7	.05.6	.07.9	.05.7	.59.3	.07.7
4	.12.4	.07.4	.13.8	.06.0	.12.5	.06.4	.03.9	.05.8	.07.9	.05.9	.59.6	.08.2
5	.12.4	.07.3	.13.9	.06.0	.13.1	.06.4	.04.0	.05.9	.07.7	.05.9	.59.6	.08.7
6	.12.5	.08.1	.13.8	.06.2	.13.3	.06.5	.03.9	.05.9	.07.6	.05.9	.59.6	.08.6
7	.12.6	.08.1	.13.9	.06.6	.13.5	.06.7	.04.1	.05.8	.07.6	.05.9	.59.5	.08.5
8	.12.4	.07.7	.13.8	.06.8	.13.7	.06.8	.04.1	.05.7	.07.4	.05.8	.59.3	.08.7
9	.12.3	.07.2	.13.5	.07.9	.13.7	.06.8	.04.3	.05.7	.07.4	.05.7	.59.2	.88.7
10	.12.1	.07.7	.13.4	.06.9	.13.7	.06.9	.04.3	.05.6	.07.5	.05.6	.59.2	.08.7
11	.12.2	.07.7	.13.4	.06.8	.13.6	.07.0	.04.4	.05.6	.07.5	.05.6	.59.2	.08.6
12	.11.8	.07.5	.13.4	.06.8	.13.7	.06.9	.04.3	.05.6	.07.4	.05.7	.59.1	.08.5
13	.11.5	.07.6	.13.5	.07.0	.14.1	.07.4	.04.4	.05.6	.07.4	.05.7	.59.0	.08.6
14	.11.6	.07.5	.13.9	.07.5	.14.8	.07.9	.04.3	.05.4	.07.6	.05.6	.58.8	.08.4
15	.11.8	.07.9	.14.1	.07.5	.14.1	.07.3	.03.9	.05.2	.07.5	.05.6	.58.9	.08.2
16	.11.8	.07.6	.12.9	.05.1	.12.4	.05.7	.03.2	.04.2	.06.9	.04.9	.57.9	.08.0
17	.10.5	.06.2	.10.9	.03.1	.10.1	.04.0	.02.3	.03.3	.05.6	.04.1	.57.2	.07.9
18	.08 4	.04.5	.09.0	.01.6	.08.9	.02.7	.01.5	.02.5	.05.3	.03.4	.56.7	.05.9
19	.07.3	.03.0	.08.2	.01.0	.08.5	.02.0	.01.4	.03.2	.05.1	.03.5	.56.6	.05.2
20	.07.8	.02.8	.08.3	.01.9	.09.9	.02.3	.01.5	.02.9	.05.2	.03.4	.51.8	.05.0
21	.08.7	.03.5	.10.5	.03.0	.10.4	.03.4	.01.9	.02.8	.05.8	.03.9	.57.2	.05.4
22	.09.6	.04.1	.11.8	.04.2	.11.4	.04.2	.02.4	.03.3	.06.4	.04.3	.57.8	.05.7
23	.10.3	.04.8	.12.5	.05.2	.12.1	.05.2	.02.9	.03.7	.06.8	.05.0	.58.4	.06.3

TABLE LI.—*Excess of the Mean Hourly Value of Calculated Dip, above the Monthly Mean Value.*

Göttingen Mean Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	0°00′0	−0°00′6	0°00′0	0°00′1	−0°00′2	0°00′0	0°00′0	−0°00′2	0°00′3	−0°00′1	0°00′2	−0°01′1
1	.00.1	−.00.1	−.00.1	.00.1	.00.1	.00.1	.00.4	−.00.2	.00.3	.00.2	.00.4	−.00.9
2	.00.6	.00.4	.00.2	.00.2	.00.2	.00.0	.00.3	.00.7	.00.5	.00.4	.00.6	−.00.2
3	.01.1	.02.1	.01.0	.00.5	.00.2	.00.0	.00.3	.00.8	.00.9	.00.6	.00.8	.00.2
4	.01.4	.01.0	.01.2	.00.7	.00.1	.00.5	.00.5	.01.0	.00.9	.00.8	.01.1	.00.7
5	.01.4	.00.9	.01.3	.00.7	.00.7	.00.5	.00.6	.01.1	.00.7	.00.8	.01.1	.01.2
6	.01.5	.01.7	.01.2	.00.9	.00.9	.00.6	.00.5	.01.1	.00.6	.00.8	.01.1	.01.1
7	.01.6	.01.7	.01.3	.01.3	.01.1	.00.8	.00.7	.01.0	.00.6	.00.8	.01.0	.01.0
8	.01.4	.01.3	.01.2	.01.5	.01.3	.00.9	.00.7	.00.9	.00.4	.00.7	.00.8	.01.2
9	.01.3	.00.8	.00.9	.01.7	.01.3	.00.9	.00.9	.00.9	.00.4	.00.6	.00.7	.01.2
10	.01.1	.01.3	.00.8	.01.6	.01.3	.01.0	.00.9	.00.8	.00.5	.00.5	.00.7	.01.2
11	.01.2	.01.3	.00.8	.01.5	.01.2	.01.1	.01.0	.00.8	.00.5	.00.5	.00.7	.01.1
12	.00.8	.01.1	.00.8	.01.5	.01.3	.01.0	.00.9	.00.8	.00.4	.00.6	.00.6	.01.0
13	.00.5	.01.2	.00.9	.01.7	.01.7	.01.5	.01.0	.00.8	.00.4	.00.6	.00.5	.01.1
14	.00.6	.01.1	.01.3	.02.2	.02.4	.02.0	.00.9	.00.6	.00.6	.00.5	.00.3	.00.9
15	.00.8	.01.5	.01.5	.02.2	.01.7	.01.4	.00.5	.00.4	.00.5	.00.5	.00.4	.00.7
16	.00.8	.01.2	.00.3	−.00.2	.00.0	.00.8	−.00.2	−.00.6	−.00.1	−.00.2	−.00.6	.00.5
17	−.00.5	−.00.2	−.01.7	−.02.2	−.02.3	−.01.9	−.01.1	−.01.5	−.01.4	−.01.0	−.01.3	.00.4
18	−.02.6	−.02.1	−.03.6	−.03.7	−.03.5	−.03.2	−.01.9	−.02.3	−.01.7	−.01.7	−.01.9	−.01.6
19	−.03.7	−.03.4	−.04.4	−.04.3	−.03.9	−.03.9	−.02.0	−.01.6	−.01.9	−.02.6	−.01.8	−.02.3
20	−.03.2	−.03.6	−.03.8	−.03.4	−.03.4	−.03.6	−.01.9	−.01.9	−.01.3	−.01.7	−.01.7	−.02.5
21	−.02.3	−.02.9	−.02.1	−.02.3	−.02.0	−.02.5	−.01.5	−.02.0	−.01.2	−.01.2	−.01.3	−.02.1
22	−.01.4	−.02.3	−.00.8	−.01.1	−.01.0	−.01.7	−.01.0	−.01.5	−.00.6	−.00.8	−.00.9	−.01.8
23	−.00.7	−.01.6	−.01.1	−.00.1	−.00.3	−.00.7	−.00.5	−.01.1	−.00.2	−.00.1	−.00.1	−.01.4

TABLE LII.—*Showing, for the Year* 1861, *the Mean Value of Calculated Dip, corrected for Instrumental Errors, for each Hour of Gottingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Calculated Dip	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	H. M.			
Noon.	4 12 P.M.	19°06′6	−0°00′1	
1	5 12 „	.06.7	.00.0	
2	6 12 „	.07.0	.00.3	
3	7 12 „	.07.4	.00.7	
4	8 12 „	.07.5	.00.8	
5	9 12 „	.07.6	.00.9	Mean of {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13,} or Night..... 19°07′6
6	10 12 „	.07.7	.01.0	
7	11 12 „	.07.7	.01.0	
8	0 12 A.M.	.07.7	.01.0	
9	1 12 „	.07.7	.01.0	Mean of {14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 0, 1,} or Day..... 19.05.8
10	2 12 „	.07.6	.00.9	
11	3 12 „	.07.6	.00.9	Mean Annual..... 19.06.7
12	4 12 „	.07.5	.00.8	
13	5 12 „	.07.7	.01.0	
14	6 12 „	.07.8	.01.1	
15	7 12 „	.07.7	.01.0	
16	8 12 „	.06.7	.00.0	
17	9 12 „	.05.4	− .01.3	TIMES OF MEAN MAXIMUM AND MINIMUM.
18	10 12 „	.04.2	− .02.5	G. M. T. B. C. T.
19	11 12 „	.03.7	− .03.0	A Maximum at 7 or 11 P.M.
20	0 12 P.M.	.03.9	− .02.8	A Minimum at 12 or 4 A.M.
21	1 12 „	.04.7	− .02.0	A Maximum at 14 or 6 A.M.
22	2 12 „	.05.4	− .01.3	A Minimum at 19 or 11 A.M.
23	3 12 „	.06.1	− .00.6	

TABLE LIII.—*Showing, for the Year* 1861, *the Hours of Göttingen Mean Solar Time, about which the Mean Value of Calculated Dip, corrected for Instrumental Errors, in each Month, was at its Maximum and Minimum.*

Months, 1861.	Mean Hourly Value of Calculated Dip.				Mean Diurnal Range.	The Time at which the Mean Hourly Value of Calculated Dip was at its			
	Maximum.	Minimum.	Maximum.	Minimum.		Maximum.	Minimum.	Maximum.	Minimum.
						H	H	H	H
January	19°12′6	19°11′5	19°11′8	19°07′3	0°05′3	7	13	16	19
February	.08.5	.07.2	.07.7	.02.8	.05.7	3	9	15	20
March	.13.9	.13.4	.14.1	.08.2	.05.9	7	11	15	19
April	.07.9	.06.8	.07.5	.01.0	.06.9	9	12	15	19
May	.13.7	.13.6	.14.8	.08.5	.06.3	8	11	14	19
June	.07.0	.06.9	.07.9	.02 0	.05.9	11	12	14	19
July	.04.4	.04.3	.04.4	.01.4	.03.0	11	12	13	19
August	.05.9	.02.5	.03.2	.02.8	.03.4	6	18	19	21
September	.07.9	.07.4	.07.6	.05.1	.02.8	4	9	14	19
October	.05.9	.05.6	.05.7	.03.4	.02.5	7	11	13	18
November	18.59.6	18.58.8	18.58.9	18.56.6	.03.0	6	14	15	19
December	19.08.7	19.08.5	19.08.6	19.05.0	.03.7	5	7	13	20

TABLE LIV.—*Daily Range of Calculated Dip, corrected for Instrumental Errors, for each Day of Göttingen Mean Time.*

Date, 1861.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	0°08′4	0°07′9	0°06′4	0°06′3	0°08′2		0°03′8	0°03′6	0°02′5	0°04′6		0°02′9
2	.14.8			.06.8	.07.7	0°07′5	.05.0	.03.4	.04.1	.02.9		.04.4
3	.04.2	.04.0	.08.4	.08.2	.07.1	.07.9	.04.4		.05.5	.02.9	0°04′0	.03.9
4	.04.5	.05.1	.06.4	.07.8		.07.2	.09.3	.02.2	.03.3	.04.6	.04.5	.04.6
5		.07.1	.05.2	.07.4	.08.3	.04.8	.04.7	.04.8	.02.6		.02.7	.04.1
6	.05.6	.06.2	.04.8		.07.2	.06.4		.04·8	.03.4	.03.6	.04.6	.05.7
7	.03.5	.06.0	.04.6	.07.3	.07.0	.06.6	.03.6	.03.9		.05.2	.04.9	
8	.06.1	.06.0		.05.2	.04.5		.02.3	.04.4	.03.7	.02.4	.05.1	.05.6
9	.06.1			.05.3	.05.6	.04.2	.07.6	.04.4	.02.8	.03.6		.04.2
10	.05.4	.05.6	.09.3	.08.1	.08.0	.07.5	.05.1		.02.7	.05.7	.02.5	.03.8
11	.04.7	.04.6	.05.6	.08.0		.05.5	.03.7	.13.1	.03.2	.03.7	.03.6	.10.3
12		.06.3	.07.5	.06.9	.07.1	.07.4	.04.2	.03.4	.02.5		.03.6	.04.0
13	.07.7	.05.0	.06.5		.06.2	.04.4		.08.7	.03.4	.03.4	.02.5	.04.5
14	.05.5	.06.5	.07.1	.04.3	.08.0	.08.9	.04.0	.03.2		.03.4	.03.4	
15	.06.3	.06.7	.06.3	.08.2	.05.8		.03.9	.05.4	.02.6	.03.4	.03.3	.05.7
16	.04.6			.05.6	.05.6	.07.6	.07.0	.12.2	.04.5	.03.5		.05.3
17	.05.8	.07.7	.08.9	.05.4	.05.2	.06.3	.03.6		.03.2	.03.3	.04.4	.04.3
18	.05.9	.07.3	.06.6	.05.3		.06.0	.03.3		.05.0	.03.7	.04.0	.03.3
19		.06.9	.04.0	.06.0	.06.1	.07.5	.05.0	.03.3	.03.3		.05.4	.09.5
20	.06.2	.04.5	.06.3		.06.6	.05.8		.03.2	.03.9	.03.5	.04.2	.05.3
21	.04.0	.05.9	.05.2	.07.2	.05.8	.04.7	.08.3	.02.7		.04.0	.02.7	
22	.07.0	.05.5	.07.3	.08.0	.06.9		.04.3	.03.1	.03.5	.04.4	.03.1	.03.9
23	.05.6	.05.7		.08.1		.08.8	.03.9	.04.2	.04.1	.04.8		.05.8
24	.07.5		.07.1	.07.2	.07.4	.07.2	.02.3		.02.9	.04.4	.02.3	
25	.05.4	.07.6	.06.7	.08.5		.05.7	.02.9	.05.9	.03.5	.03.0	.02.3	.06.1
26		.05,7		.09.0	.08.3	.03.6	.04.2	.02.3	.03.7		.03.9	.06.3
27	.06.8	.08.0	.07.2		.05.2	.05.5		.13.7	.04.1	.04.4	.03.7	.05.6
28	.07.1	.05.0		.06.0	.04.7	.05.5	.03.2	.03.7		.03.5	.02.5	
29	.06.1		.09.0	.06.1	.06.2		.02.7	.04.3	.02.9	.03.8	.03.7	.04.1
30	.06.8			.06.7	.05.7	.04.0	.03.7	.02.8	.03.1	.02.8		.03.9
31	.06.0		.07.5		.06.5		.02.6			.03.4		

TABLE LV.—*Showing, for the Year* 1861, *the Hours of Göttingen Mean Time at which the Calculated Dip, in Simple Hourly Observations, in each Month, was Greatest and Least.*

Months, 1861.	The Value of Calculated Dip.		Mean Diurnal Range.	The Time at which the Value of Calculated Dip was at its	
	Greatest.	Least.		Greatest.	Least.
				D. H.	D. H.
January	19°19'7	19°02'6	0.17'1	1.4	31.20
February	.17.6	18.58·4	19.2	27.7	8.19
March	.19.4	19.05.2	·14.2	10.7	3.19
April	.15.9	.03.8	·12 1	30.14	3.19
May.....	.17.6	.03.5	·14·1	19.14	24.19
June.....	.12.5	18.58·8	.14.0	2.14	10.19
July.....	.11.1	.43.2	.27.9	31.15	9.20
August.....	.04.5	.58·1	.06.4	8.15	27.20
September	.11.4	19.01·2	.10.2	1.14	27.18
October	.12.5	18.58·9	.13.6	24.2	3.19
November	.05.4	.57·3	.08.1	7.6	4.19
December.....	.20.1	19.01·3	.18.8	29.12	25.20

TOTAL INTENSITY.

TABLE LVI.—*Showing, for each Month, the Mean Value of Total Intensity; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Value of Total Intensity.	Difference from the Mean of the Year.	FOR SEASONS.	
	En. Un.	En. Un.		En. Un.
January	8.5166	- 0.0075	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter ..	8.5198
February	.5080	- .0161		
March	.5074	- .0167		
April	.5032	- .0209	Mean of { April, May, June, / July, Aug., Sept. } or Summer ...	8.5283
May.....	.5154	- .0087		
June.....	.5380	.0139		
July.....	.5518	.0277	Mean of the Year.....	8.5241
August.....	.5330	.0089		
September	.5282	.0041	Greatest Monthly Mean in July.....	8.5518
October	.5380	.0139	Least Monthly Mean in April.....	8.5032
November	.5210	- .0031		
December	.5276	- .0035	Difference....	0.0486

TABLE LVII.—*Showing, for the Year* 1861, *the Mean Value of Total Intensity, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Total Intensity.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	H. M.	En. Un.	En. Un.	
Noon.	4 12 P.M.	8.5248	0.0007	
1	5 12 ,,	.5216	−.0025	
2	6 12 ,,	.5200	−.0041	Fn. Un.
3	7 12 ,,	.5182	−.0059	Mean of { 2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13, } or Night.... 8.5189
4	8 12 ,,	.5182	−.0059	
5	9 12 ,,	.5172	−.0069	
6	10 12 ,,	.5178	−.0063	Mean of { 14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1, } or Day.... 8.5293
7	11 12 ,,	.5186	−.0055	
8	0 12 A.M.	.5188	−.0053	Mean Annual..... 8.5241
9	1 12 ,,	.5190	−.0051	
10	2 12 ,,	.5192	−.0049	
11	3 12 ,,	.5194	−.0047	
12	4 12 ,,	.5198	−.0043	
13	5 12 ,,	.5202	−.0039	TIMES OF MEAN MAXIMUM AND MINIMUM.
14	6 12 ,,	.5206	−.0035	
15	7 12 ,,	.5220	−.0021	G. M. T. B. C. T.
16	8 12 ,,	.5264	.0023	A Minimum at 5 or 9 P.M.
17	9 12 ,,	.5316	.0075	A Maximum at 19 or 11 A.M.
18	10 12 ,,	.5354	.0113	
19	11 12 ,,	.5374	.0133	
20	0 12 P.M.	.5368	.0127	
21	1 12 ,,	.5348	.0107	
22	2 12 ,,	.5325	.0084	
23	3 12 ,,	.5280	.0039	

TABLE LVIII.—*Showing, for each Month, the Mean Value of Total Intensity, corrected for the Effects of Circumambient Air; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Value of Total Intensity.	Difference from the Mean of the Year.	FOR SEASONS.
	En. Un.	En. Un.	En. Un.
January	8.5253	0.0001	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter.. 8.5253
February	.5155	−.0097	
March	.5108	−.0144	
April	.4983	−.0269	Mean of { April, May, June, / July, Aug., Sept. } or Summer .. 8.5251
May	.5064	−.0188	
June.....	.5339	.0087	Mean of the Year..... 8·5252
July	.5506	.0254	
August.....	.5339	.0087	
September	.5277	.0025	Greatest Monthly Mean in July ..... 8·5506
October	.5371	.0119	Least Monthly Mean in April 8.4983
November	.5264	.0012	
December.....	.5370	.0118	Difference.... 0·0523

TABLE LIX.—*Showing, for the Year* 1861, *the Mean Value of Total Intensity, corrected for the Effects of Circumambient Air, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Total Intensity.	Difference from the Mean of the Whole.
	H. M.	En. Un.	En. Un.
Noon	4 12 P.M.	8.5187	−0.0066
1	5 12 ,,	.5185	− .0068
2	6 12 ,,	.5198	− .0055
3	7 12 ,,	.5197	− .0056
4	8 21 ,,	.5205	− .0048
5	9 21 ,,	.5204	− .0049
6	10 12 ,,	.5219	− .0034
7	11 12 ,,	.5235	− .0018
8	0 12 A.M.	.5242	− .0011
9	1 12 ,,	.5249	.0004
10	2 12 ,,	.5258	.0005
11	3 12 ,,	.5265	.0012
12	4 12 ,,	.5274	.0021
13	5 12 ,,	.5282	.0029
14	6 12 ,,	.5291	.0038
15	7 12 ,,	.5286	.0033
16	8 12 ,,	.5300	.0047
17	9 12 ,,	.5321	.0068
18	10 12 ,,	.5334	.0081
19	11 12 ,,	.5328	.0075
20	0 12 P.M.	.5300	.0047
21	1 12 ,,	.5268	.0015
22	2 12 ,,	.5242	− .0011
23	3 12 ,,	.5202	− .0051

FOR DAY AND NIGHT.

Mean of { 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, } or Night.. En. Un. 8.5236

Mean of { 14, 15, 16, 17, 18, 1, 20, 21, 22, 23, 24, 1, } or Day.... 8.5270

Mean Annual..... 8.5253

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G.M.T.	B.C.T.
A Minimum at	1 or	5 P.M.
A Maximum at	2 or	6 ,,
A Minimum at	3 or	7 ,,
A Maximum at	4 or	8 ,,
A Minimum at	5 or	9 ,,
A Maximum at	14 or	6 A.M.
A Minimum at	15 or	7 ,,
A Maximum at	18 or	10 ,,

SUMMARY OF THE MAGNETIC RESULTS FOR 1861.

The present Summary has been principally extracted from the Mean Values of all the Magnetic Elements given in the preceding pages. Assuming the values given in the preceding tables as correct, the present Summary indicates the general character of all the Magnetic elements at Bombay. The magnetism of the Earth is effected by solar heat and not by lunar influence or any other cause: this has been proved in the preceding Volumes:—

DECLINATION.

Mean daily values of Declination have dwindled between 24′5 and 30′2. The difference between the mean daily values of two consecutive days has seldom exceeded 2′, but has generally remained between 0′1 and 0′5.

The Declination in simple hourly observations was not above 34′8 or below 20′5.

The Mean Annual Declination was 27′109, being about 8′548 higher than the Mean of the last fifteen years.

Daily Range of Declination has seldom exceedeed 10′, but has generally remained between 2′ and 6′ of arc. The times of maxima and minima occurred generally at about + noon,—3h., + 10h., — 12h., + 16h., and — 20h. Göttingen mean time, in which + denotes maximum, and — minimum.

The combination of observations taken at 1h. and 18h., or 1h. and 6h., will give the mean near enough to the mean value of any day.

The Declination Magnet has gone four times on each side of the Magnetic meridian in the month of July, and about six times during the remaining months of Summer; but in Winter eight meridian passages were sometimes observed in the diurnal run of Declinometer.

A fall in Declination was generally observed from noon to 3h.; a rise between 3h. and 10h.; a fall between 10h. and 12h.; a rise from 12h. to 16h.; a fall from 16h. to 20h., and afterwards a slow rise.

HORIZONTAL FORCE.

The mean daily values of Horizontal Intensity, corrected for instrumental and other incidental errors, did not exceed 8·092 English Units, nor were they less than 8·010 English Units. The difference between the mean daily values of two consecutive days seldom exceeded 0·020 English Units, but was generally less than 0·006.

During this year the extreme values of Horizontal Force, in simple hourly observations, were 8·11 and 7·99 English Units.

The Mean Annual Intensity was 8·0542, being about 0·0557 higher than the mean of the last fifteen years.

Daily range of Horizontal Force has seldom exceeded 0·06 English Units, but generally remained between 0·01 and 0·03 English Units.

The times of maxima and minima were + Noon,—2h., + 4h.,—14h., + 15h., and—18h. Göttingen time, in which + denotes maximum, and—minimum.

The combination of observations taken at noon and 16h. will give the result near enough to the mean value of any day.

It was observed that the Horizontal Force Magnet had passed its mean magnetic position twice in a day, but in certain instances it had taken more than two meridian passages.

Absolute values of Horizontal Intensity generally rose from 5 to 19 hours, and afterwards there was a gradual fall.

VERTICAL FORCE.

Mean daily values of Vertical Force were not greater than 2·81 English Units, nor were less than 2·76 English Units, the difference between the mean daily values of two consecutive days did not exceed 0·03 English Units, and was generally less than 0·006 English Units.

It appears, from simple hourly observations, that Vertical Intensity had ranged during this year between 2·83 and 2·76 English Units.

The Mean Annual Intensity was 2·7916 English Units, being about 0·0431 English Units higher than the mean of the last fifteen years.

Daily range of Vertical Intensity seldom exceeded 0.03 English Units, and in most instances it was less than 0·015 English Units.

The times of maxima andminima were + Noon,—2h., + 11h., — 12h., + 15h., and — 19h. Göttingen mean time, in which plus denotes maximum, and minus minimum.

The Vertical Force Magnet has generally passed twice daily on each side of its mean position, the hours being 4h. and 17h.

In Winter the Scale Readings of Vertical Force were observed to increase from 2h. to 11h., a slight decrease or nearly steady from 11h. to 14h., an increase from 14h. to 19 hours, and afterwards a decrease; in summer the movements of Vertical Force were quite irregular: this was owing most probably to the damp air then prevalent, which, notwithstanding the precaution taken to avoid it, affected the free action of the Vertical Force Magnet.

INCLINATION OR DIP.

Mean daily values of Calculated Dip were not greater than 19°17′ nor were they less than 18°54′. The difference between the mean daily values of two consecutive days seldom exceeded 8′ and it was generally less than 5′0.

It appears, from the simple hourly observations of this year, that the deduced Dip has ranged between 19°20′ and 18°43′.

The Mean Annual Dip was 19°7·8, which was about 9·6 higher than the mean of the last fifteen years.

The daily range of deduced Dip has seldom exceeded 2′0, and was in most cases less than 8′0.

The times of maxima and minima were + 7h.,—12h., + 14h., and—19h. Göttingen mean time, in which plus denotes maximum, and minus minimum.

In the diurnal variations of deduced Dip in Summer, a rise in value was generally observed from 18h. or 19h. to 2h. or three hours, and afterwards it remained stationary for about an hour or two and then arose again to 14h., and then a fall from 14h. to 18h. In Winter a fall was observed between 16h. and 20h., and in the remaining hours of the day a general rise.

TOTAL FORCE.

Two maxima and minima were apparent in the diurnal fluctuations of Total Force uncorrected for Circumambient Air, but, with the total force corrected for Free Air four maxima and four minima are observable in its diurnal fluctuations. If the mean force of any day is to be determined from two observations of Horizontal Force and Dip, the time considered best for doing so is the combinations of observations taken at noon and 16h. Göttingen time for uncorrected force, and 10h. and 19h. Göttingen time for corrected force.

The Mean Annual Total Force was 8·5241 uncorrected and 8·5252 corrected, which was about 0·0674 English Units higher than the mean of the last fifteen years. A gradual rise is observed from 3h. to 19h. Göttingen time, and a regular fall during the remaining hours of the day.

TABLE LX.—*Showing the Changes of all the Magnetic Elements during the Year* 1861, *deduced from the Results given in the preceding pages.*

Names of Magnetic Elements.	Diurnal Range.			Periodic Change.			Difference between Day and Night.		
	Summer.	Winter.	Mean Range.	Summer.	Winter.	Annual Mean.	Day.	Night.	Difference
Declination ..... (in arc)	5′594	2′194	3′894	26′890	27′328	27′109	27′038	27′181	0′143
Horizontal Intensity .... En. Units.	0.0160	0.0176	0.0168	8.0552	8.0556	8.0554	8.0576	8.0533	0.0043
Vertical Intensity ..... En. Units.	0.0055	0.0045	0.0050	2.7934	2.7898	2.7916	2.7912	2.7921	0.0009
Dip (deduced) ..... (in arc.)	0.04.7	0.04.3	0.04.5	19.06.5	19.06.9	19.06.7	19.05.8	19.07.6	0.01.8
Total Intensity .. .. En. Units.	*	*	0.0137	8.5251	8.5253	8.5252	8.5270	8.5236	0.0034

It would appear from this table that the Diurnal Ranges of all the magnetic elements, (except the Horizontal Force) were larger in Summer than in Winter. The Periodic Changes of these elements were greater in Winter than in Summer. The mean absolute values of all the Magnetic Elements (except the Total Force and Declination) were larger at night than by the day.

DIURNAL RANGE.

The diurnal fluctuations of Magnetic elements were as follows:—

	H.	H.	H.	H.	H.	H.	H.	H.
Declination	+ noon.	—2	+4	—6	+ 9	—13	+ 16	—20
Horizontal Force.....	— noon.	+ 2	—4	*	*	+ 14	—15	+ 18
Vertical Force	+ noon.	—2	*	*	+ 8	—12	+ 15	—19
Dip (deduced)	*	*	*	*	+ 7	—12	+ 15	—19
Total Force	— 1	+ 2	—3	+ 4	—5	+ 14	—15	+ 18

In the above given figures + sign denotes the maximum, and the sign — denotes the minimum.

The following tables have been prepared to know the Annual, Monthly, Diurnal, Periodical, and Secular changes of the Magnetic Elements, deduced from their separate results of the last fifteen years:—

TABLE LXI.—*Showing the Mean Monthly Values of Magnetic Elements, deduced from their Results of the last Fifteen years*, 1847—1861 (*inclusive*).

Months.	Declination	Horizontal Intensity.	Vertical Intensity.	Dip (deduced).	Total Force.
		En. Un.	En. Un.		En. Un.
January ..	18'290	7.9995	2.7317	18°54'6	8.4560
February ..	18.574	7.9970	2.7438	18 58.6	8.4565
March	18.665	7.9930	2.7424	18.57.9	8.4518
April	18.495	7.9896	2.7414	18 56.8	8.4472
May.....	18.532	7.9890	2.7485	18.57.8	8.4475
June.....	18.255	7.9966	2.7381	18.55.4	8.4534
July.....	17.990	8.0037	2.7440	18.57.1	8.4624
August....	18.278	8.0049	2.7483	18.58.8	8.4652
September.	18.526	8.0006	2.7462	18.58.2	8.4600
October ..	18.887	7.9988	2.7431	18.56.9	8.4572
November.	19.097	8.0017	2.7592	19. 2.7	8.4652
December..	19.150	8.0056	2.7573	19. 5.0	8.4712
Mean	18.561	7.9985	2.7453	18.58.2	8.4578

FOR SEASONS.					
	Summer.	Autumn.	Winter.		
Total Force	8.4500	8.4612	8.4622	Dec.	April
Dip (deduced) ..	18.57.0	18.50.2	19.00.2	Dec.	Jan.
Vertical Force ..	2.7426	2.7454	2.7480	Nov.	Jan.
Horizontal Force .	7.9920	8.0020	8.0009	Dec.	May
Declination	18.325	18.420	18.778	Dec.	June
	March, April, May, and June, or Summer.	July, Aug., Sept., and Oct., or Autumn.	Nov., Dec., Jan., and Feb., or Winter.	Highest in.....	Lowest in.....

It appears from this table that all the elements were highest in or about the month of December; all of them (except Dip and Vertical Force) were lowest in Summer, showing that the Earth loses its magnetic power to a slight extent in Summer by the action of solar heat upon its surface.

TABLE LXII.—*Showing the Mean Hourly Values of all the Magnetic Elements, deduced from the results of the last Fifteen years* 1847—1861 (*inclusive*).

Göttingen Mean Time.	Declination.	Horizontal Force.	Vertical Force.	Dip (deduced).	Total Force.
		En. Un.	En. Un.		En. Un.
Noon.	18'585	7.9925	2.7416	18°56'6	8.4502
1	18.568	7.9933	2.7407	18.56.6	8.4510
2	18.446	7.9943	2.7414	18.56.9	8.4526
3	18.394	7.9942	2.7419	18.57.6	8.4528
4	18.423	7.9950	2.7428	18.58.1	8.4540
5	18.482	7.9952	2.7436	18.58.4	8.4548
6	18.569	7.9962	2.7447	18.58.7	8.4556
7	18.696	7.9972	2.7454	18.59.0	8.4572
8	18.286	7.9982	2.7464	18.59.2	8.4585
9	18.817	7.9992	2.7469	18.59.5	8.4598
10	18.802	8.0002	2.7472	18.59.7	8.4610
11	18.714	8.0003	2.7477	18.59.9	8.4614
12	18.631	8.0013	2.7481	19.00.1	8.4626
13	18 683	8.0014	2.7482	19.00.3	8.4626
14	19.216	8.0024	2.7502	19.00.8	8.4642
15	19.752	8.0015	2.7506	19.00.8	8.4634
16	19.994	8.0010	2.7502	19.00.1	8.4614
17	19.583	8.0025	2.7484	18.58.7	8.4624
18	18.622	8.0038	2.7459	18.57.1	8.4624
19	17.577	8.0038	2.7439	18.56.1	8.4616
20	17.000	8.0017	2.7433	18.55.9	8.4594
21	17.268	7.9993	2.7434	18 56.2	8.4572
22	17.659	7.9968	2.7433	18.56.4	8.4544
23	18.196	7.9961	2.7426	18.56.5	8.4540

FOR DAY AND NIGHT.					
	Declination.	Horizontal Force.	Vertical Force.	Dip (deduced).	Total Force.
From sunset to midnight..	18.502	7.9945	2.7433	18.581	8.4545
Midnight to sunrise....	18.822	8.0001	2.7474	18.598	8.4609
Sunrise to mid-day.....	19.107	8.0025	2.7482	18.589	8.4626
Mid-day to sunset.....	17.879	7.9966	2.7425	18.564	8.4544
Day.....	18.502	7.9991	2.7454	18.583	8.4586
Night.....	18.620	7.9971	2.7453	18.578	8.4568

It appears from this table that all the Magnetic Elements (except the Declinometer) were higher during the daytime than at night. The highest value of these elements occurs between 14h. and 18h., and the lowest value occurs between 20h. and 25h. Göttingen mean time.

The following remarks have been abstracted from the mean values of Magnetic Elements given in the preceding pages :—

I. The times of maxima and minima showed that highest values are obtained from sunrise to mid-day, and the lowest values are obtained in the afternoon.

II. The changes of Magnetic Elements were more perceptible during the daytime than at night.

III. All the Elements were slightly increasing, though irregularly, from year to year; the mean amount of increase of force is as follows :—

Declination	0·872	increase.
Horizontal Force	0·0073	„
Vertical Force	0·0110	„
Dip (deduced)	0·0325	„
Total Force	0·0105	„

MAGNETIC DISTURBANCES IN 1861.

Observations having been made on all occasions of Magnetic Disturbances, it is intended to devote a separate description of those days on which they took place.

The Curves of the two Elements, Declinometer and Horizontal Force Magnetometer, will at all times indicate the presence of a Disturbance, whether it be a small one or a large one; and they further show that even ordinary disturbances also proceed from the same causes as the large ones.

The effect of a Disturbance is always to increase the Declination and to lesson the Horizontal Force with little or no effect on the Vertical Force.

It has been assumed from these facts, that the Disturbing Force is effected in a horizontal line, and all Disturbances proceed from nearly one direction.

The time of the Greatest Intensity is supposed to be between noon and 10h. Göttingen mean time.

During the year 1861 eleven days were considered to be Abnormal, which were used in finding the effect of the Disturbances on the Magnetic Elements, none of which were however very great.

TABLE LXIII.—*Showing the Disturbed as well as the Normal Values of the several Magnetic Elements on the Disturbance days, during the year* 1861.

Month and Day.	Declination.			Horizontal Intensity.			Vertical Intensity.			Dip.			Total Intensity.		
	Disturbed.	Normal.	Difference.	Disturbed.	Normal.	Difference.	Disturbed.	Normal.	Difference.	Disturbed.	Normal.	Difference.	Disturbed.	Normal.	Difference.
				En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.				En. Un.	En. Un.	En. Un.
Jan. 24	26'438	25'397	+1'041	8.0237	8.0425	-0.0188	2.7882	2.7955	-0.0073	19° 9'2	19°9'7	-0°05	8.4942	8.5148	-0.0206
„ 25	26.260	25.411	+0.849	8.0256	8.0423	-0.0167	2.7904	2.7950	-0.0046	19. 9.8	19.9.5	+0.0.3	8.4968	8.5135	-0.0167
„ 27	26.149	25.439	+0.710	8.0285	8.0420	-0.0135	2.7934	2.7941	-0.0007	19.10.6	19.9.2	+0.1.4	8.5007	8.5133	-0.0126
Feb. 27	26.738	25.883	+0.855	8.0217	8.0370	-0.0153	2.7960	2.7912	+0.0048	19.13.3	19.8.9	+0.4.4	8.4956	8.5077	-0.0121
„ 28	26.443	25.900	+0.543	8.0205	8.0369	-0.0164	2.7979	2.7916	+0.0063	19.13.9	19.9.1	+0.4.8	8.4951	8.5079	-0.0128
April 15	27.441	26.057	+1.384	8.0168	8.0357	-0.0189	2.7904	2.7882	+0.0022	19.12.1	19.5.3	+0.6.8	8.4893	8.5036	-0.0143
Aug. 19	29.666	28.053	+1.613	8.0408	8.0634	-0.0226	2.7696	2.7928	-0.0232	19. 4.4	19.5.1	-0.0.7	8.5081	8.5320	-0.0239
Oct. 10	30.157	29.032	+1.125	8.0580	8.0684	-0.0104	2.7970	2.7916	+0.0054	19. 9.8	19.5.2	+0.4.6	8.5307	8.5374	-0.0067
„ 24	29.872	28.972	+0.900	8.0429	8.0656	-0.0227	2.7942	2.7855	+0.0087	19. 9.7	19.3.1	+0.6.6	8.5148	8.5334	-0.0186
„ 25	30.133	28 966	+1.167	8.0493	8.0652	-0.0159	2.7947	2.7848	+0.0099	19. 9.0	19.2.9	+0.6.1	8.5205	8.5322	-0.0117
Dec. 19	29.620	28.984	+0.636	8.0366	8.0571	-0.0205	2.7851	2.7943	-0.0092	19. 7.3	19.8.7	-0.1.4	8.5032	8.5287	-0.0255
Mean..	28.083	27.099	+0.984	8.0331	8.0506	-0.0175	2.7906	2.7913	+0.0007	19. 9.9	19.7.0	+0.2.9	8.5045	8.5204	-0.0159

It will be seen from the differences in the above table that the disturbing force always increased the Declination and lessened the Horizontal Force; the Dip was also on an increase of few minutes of Arc, but it was not the same case with Vertical Force; this element was sometimes high and some times low than the Normal Value. The mean effect of a Magnetic Disturbance was as follows:—

It increased the Declination by.....0'984 (in Arc)
„ decreased the Horizontal Force.....0·0175 En. Un.
„ increased the Vertical Force.....0·0007 En. Un.
„ increased the Dip by.....2·9 (in Arc)
„ decreased the Total Force.....0·0159 En. Un.

TABLE LXIV.—*Showing the Mean Effects of the several Disturbances on the Magnetic Elements, compared with the Mean Effect on the Horizontal Intensity.*

Declination (in Arc).	Horizontal Intensity in English Units.	Vertical Intensity in English Units.	Dip (deduced).	Total Intensity in English Units.	Weight.
1'121	—0.0207	—0.0060	+2.2	—0.0206	5
0.825	—0.0156	+0.0031	+3.4	—0.0132	5
1.125	—0.0104	+0.0054	+4.6	—0.0067	1

From this table as well as from the preceding one, it is inferred that all the Magnetic Elements were not disturbed in the same proportion.

Since in nearly all the Disturbances the Declination was increased and the Horizontal Force lessened, it is inferred that the Disturbing Magnetic Pole is situated in a place which is not coincident with the Earth's Magnetic Pole. Further this Pole acquires or looses its magnetic polarity; the Magnetic Elements are therefore effected with this increase or decrease in their polarity.

The position of the Disturbing Pole is determined by using the formulæ as heretofore.

The following positions of the Disturbing Pole are obtained by assuming x and ψ to be respectively equal to 8·05 English Units and 0°27′ Easterly.

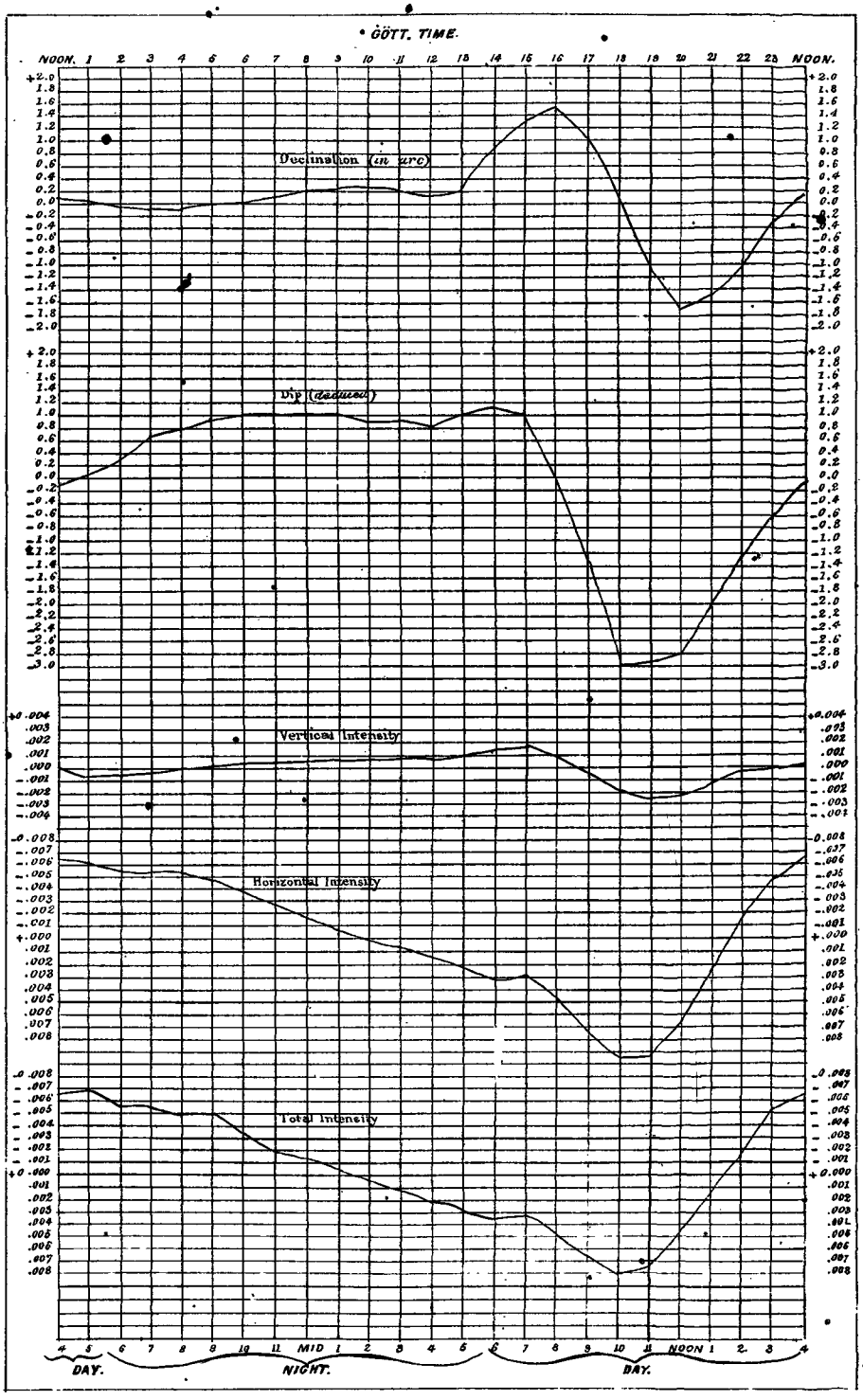
By applying the necessary equations to all the lines in the above table as well as to the last line in the preceding one, the following results about the Disturbing Pole have been obtained in the usual way :—

Inclination of the Disturbing Pole.	Declination of the Disturbing Pole.	Absolute Value of Disturbing Force, or
$\psi' =$ 6°48′	$\theta' =$ 16°7′	$f =$ 0·0022
= 6·33	= 11·9	= 0·0016
=13·40	= 26·44	= 0·0012
= 6·56	= 21·38	= 0·0019

In finding out the mean position of the Disturbing Pole, the third line given above is omitted, because it is the effect of a single slight disturbance.

Mean Inclination of the Disturbing Pole is equal to.....6°32′
Mean Declination of the Disturbing Pole is equal to....16·18
Disturbing Force is equal to..... 0·0019

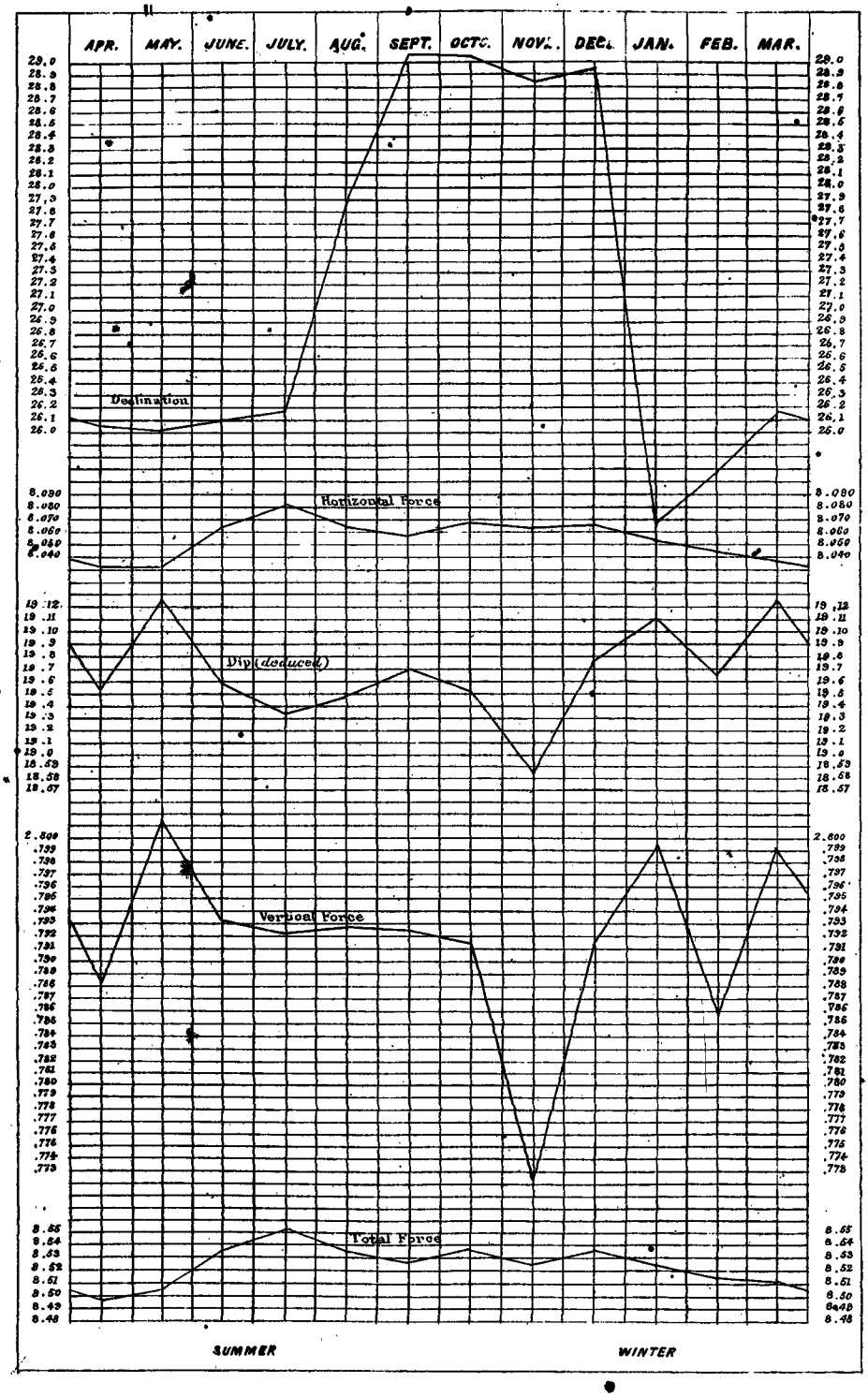
DIURNAL CHANGES OF THE MAGNETIC ELEMENTS 1861


GÖTT. TIME.
NOON. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 NOON.
Declination (in arc)
Dip (deduced)
Vertical Intensity
Horizontal Intensity
Total Intensity
4 5 6 7 8 9 10 11 MID 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4
DAY.
NIGHT.
DAY.

Drawn by Succaram Sadoba.

Curved by Goverdhun Luximun C.S.I. Assistant

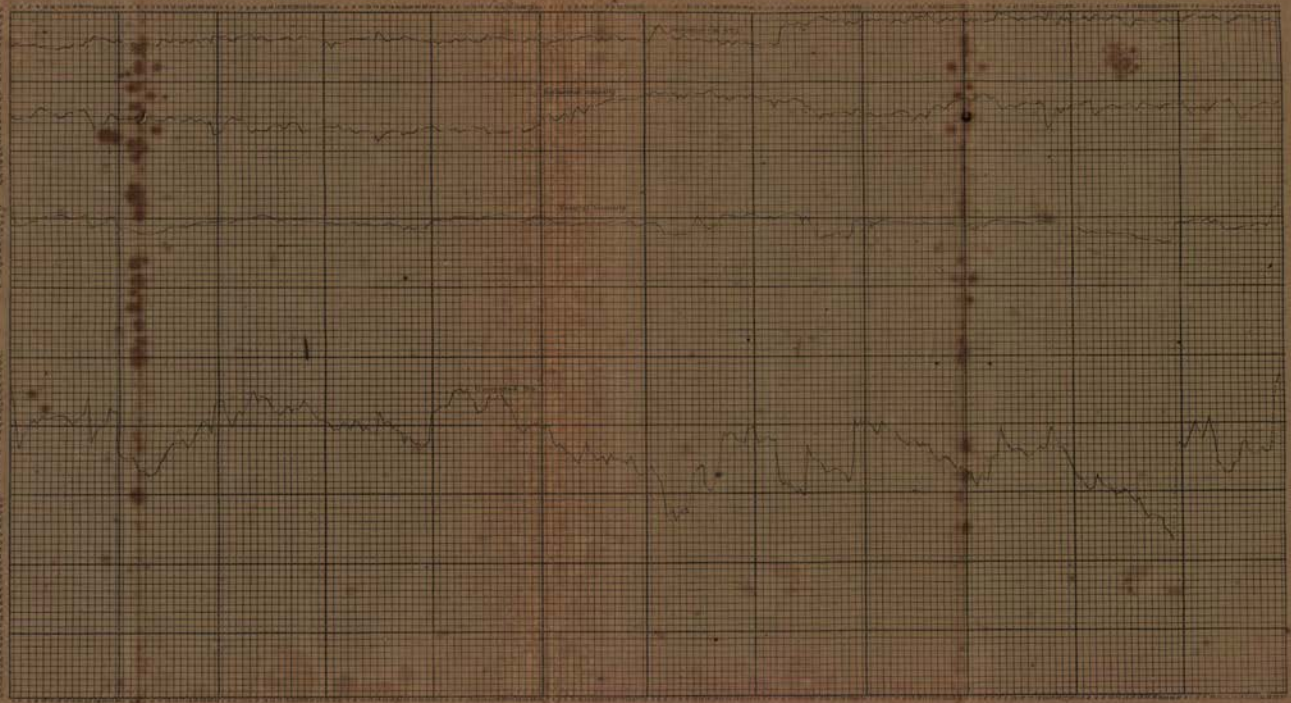
MONTHLY ABSOLUTE VALUES OF MAGNETIC ELEMENTS 1861.



Drawn by Succaram Cassinathsett

Carved by Goverdhun Luzimatti C. 1st Assistant.

CURVES exhibiting the principal MAGNETICAL PHENOMENA in the Year 1861.



BOMBAY MAGNETICAL OBSERVATORY.

PART II.

METEOROLOGICAL OBSERVATIONS.

1861.

INTRODUCTION TO THE METEOROLOGICAL OBSERVATIONS

FOR 1861.

BAROMETERS.

THROUGHOUT the year 1861, two Standard Barometers (by Newman, of London), marked Nos. 58 and 48, were observed, and the observations of each were duly registered. The description of these instruments is given in the Volume for 1848.

The observations show that both Barometers acted simultaneously throughout the year, and that each reading of Barometer No. 48 is about 0·013 higher than each reading of No. 58, consequently no results were deduced from the former Barometer.

TABLE.—*Showing the Mean Monthly Height of Barometers Nos.* 48 *and* 58, *corrected for Temperature of Mercury and Brass.*

Months, 1861.	Mean Height of Barometer.			Months, 1861.	Mean Height of Barometer.		
	No. 48.	No. 58.	Difference.		No. 48.	No. 58.	Difference.
	in.	in.	in.		in.	in.	in.
January	29.920	29.907	0.013	July	29.652	29.639	0.013
February	.911	.897	.014	August	.702	.689	.013
March	.870	.857	.013	September	.788	.774	.014
April	.778	.764	.014	October	.870	.857	.013
May	.727	.713	.014	November	.880	.867	.013
June	.679	.666	.013	December	.945	.932	.013

The verticality of the Barometer is frequently examined.

The height of the surface of the mercury in the cistern above the floor of the Magnetic Observatory is 4 feet 6 inches, and above the mean level of the sea 37·5 feet. This

measurement is founded upon levellings made by Professor Pole, of the Elphinstone Institution, in 1845. But in the observations, as also in the results of this as well as those of the former years, no correction has been applied on that account.

Every observation of the Barometer has been corrected for Temperature to 32° Fahr., by the application of the corrections contained in the "Tables for Barometers whose Scales are engraved upon Brass," as given in the Royal Society's Report for 1840.

THERMOMETERS.

All the Thermometers during the Year 1861 were observed within a shed, which is about 38 feet distant from the SE. angle of the Large Magnetic Observatory. The construction of the shed is described in the Volume for 1852.

The Temperature of the Air was determined by one of Newman's Standard Thermometers. It is suspended from the roof of the shed, to about five feet above the ground; a table is placed under it, with a view of preventing any radiation from the surface of the ground affecting its bulb. The Scale was re-silvered on the 3rd of January 1861.

The Temperature of the stratum of air in contact with the ground was measured by a common Thermometer; it has a brass scale divided to one degree; the length of 10 degrees is 0·7 inch; its bulb is 0·52 inch in diameter.

THERMOMETER SUPPOSED TO MEASURE THE AIR CONFINED IN THE OBSERVATORY is the Thermometer attached to the Large Horizontal Force Magnetometer. The bulb is within the box; and it is therefore supposed to measure the Temperature of the confined air induced from the free and external air.

THERMOMETER SUNK NINE INCHES BELOW THE SURFACE OF THE GROUND is exactly similar to that which measures the Temperature of external and free air. The place in which it is sunk is nearly in the centre of the ground within the Thermometer shed; the soil about it is composed of red earth and a portion of decomposed trap gravel.

THERMOMETERS SUNK TWENTY AND SIXTY INCHES BELOW THE SURFACE OF THE GROUND are Mercurial Thermometers, by Newman, the construction of which is given in the Introduction to the Volume for 1851, page v.. A new Thermometer of the same construction as given in 1851 was used after the 3rd December 1861, for ascertaining the Temperature of ground 20 inches below the surface of the Earth.

WET-BULB THERMOMETER.—The Temperature of Evaporation was observed with one of the bulbs of Newman's Wet-Bulb Thermometer, which is described in the Volume for 1854. A gauze-wire cover is placed over the instrument to prevent birds, &c. disturbing the instrument from the water which is placed near it. The cloth which is kept around the bulb is frequently changed and renewed.

From the Temperature of External and Free Air, and the Temperature of Evaporation, all the Hygrometric Elements were deduced by usual means, from the following table,

which has been extracted from the results to the Magnetical and the Meteorological observations made at Greenwich during the year 1845:—

Temperature, Fahr.	Force of Vapour corresponding to the Temperature, Fahr.	Weight of a Cubic Foot of Common Air.			Weight of Moisture in a Cubic Foot of Air.		
		Weight.	Correction.		Weight.	Correction when Weight = 10 grs.	
			Standard Barometer.	Correction.		Depression of Dew-Point.	Correction.
	in.	grs.	in.	grs.	grs.		grs.
40°	0·264	552	29·1	−20	3·1	0°	−0·0
45	0·314	546	·2	−18	3·6	2	−0·0
50	0·374	540	·3	−16	4·3	4	−0·1
55	0·442	534	·4	−14	5·0	6	−0·1
60	0·523	528	·5	−10	5·9	8	−0·2
65	0·617	522	·6	− 8	6·9	10	−0·2
70	0·726	517	·7	− 6	8·0	12	−0·2
75	0·854	511	·8	− 4	9·3	14	−0·3
80	1·001	504	·9	− 2	10·8	16	−0·3
85	1.172	498	30·0	− 0	12·5	18	−0·3
90	1.367	493	·1	+2	14·5	20	−0·4

1. *Pressure of Moisture.*

This quantity was determined by means of Dr. Apjohn's formula, taking the mean yearly barometric pressure = 29·8 inches:—

$$f'' = f' - d + 00{\cdot}114;$$

In which f'' represents the pressure of Moisture, or the force of Vapour at the temperature of Dew-Point;

f' represents the force of Vapour at the temperature of Evaporation;
d represents the Depression of Wet-Bulb Thermometer.

2. *Temperature of Dew-Point*

Was at once deduced from the pressure of Moisture, for the force of Vapour at the Dew-Point is the pressure of Moisture.

3. *Humidity of Air*

Was found from the pressure of Moisture and tension of Vapour, at the temperature of External and Free Air, by means of the following formula, $H = \frac{f''}{f}$; in which H denotes the humidity of Air, f'' represents the force of Vapour at the temperature of Dew-Point, f represents the tension of Vapour at the temperature of the Air.

4. *Weight, in Grains, of a Cubic Foot of Air*

Was determined by finding the weight at the temperature of External and Free Air, and correcting it for barometric height; the correction for humidity, being small, was neglected.

5. *Weight, in Grains, of Moisture in a Cubic Foot of Air*

Was derived by finding the weight of Moisture at the temperature of Dew-Point, and subtracting from it the proportional correction for the depression of Dew-Point.

6. *Weight required for Complete Saturation of a Cubic Foot of Air*

Was determined by subtracting the weight of Moisture, as obtained by the last method (No. 5), from the weight of Moisture at the temperature of External and Free Air.

7. *Pressure of Dry Air.*

If the pressure of Moisture be subtracted from the height of Barometer corrected for temperature, the remainder is considered to be the pressure of Dry Air.

8. *Evaporation.*

The mean quantity of Evaporation for each day was calculated by subtracting the force of Vapour at the mean temperature of Dew-Point from the force of Vapour at the mean temperature of Air for that day.

All these quantities, which have thus been calculated, are given in the Meteorological Results; a detailed account of the method of calculating these elements is given in the preceding volumes.

WIND.

The direction of wind is self-registered by one of Newman's Anemometers, moved by a pendulum clock, the description of which is given in the Volume for 1848. On the 9th of December the springs, joints, &c. of the Vane and Pressure-plate were oiled a little to improve their motion.

THE FORCE OF THE WIND ON ALL ORDINARY OCCASIONS is measured at each hourly observation by estimation, or by Lynd's Wind Gauge, the description of which is given in 1848.

All high winds, such as storms, gusts, or any pressure exceeding two pounds, were taken from the register made by the Pressure-plate of Osler's Self-Registering Wind Gauge.

RAIN

Was measured by two Rain Gauges, marked No. 1 (Newman's) and No. 2 (Osler's).

A quarter of an inch by glass receiver of No. 2. is equal to 29·94 ounces by measure.

For a description of the Rain Gauges, see the Introduction to the Volume for 1860.

WEATHER.

The whole sky covered with clouds is estimated as 8, and the complete absence of clouds as "clear."

The nomenclature adopted in the hourly observations, is that of Mr. Howard, with some combinations, set down under the following symbols:—

Cirrus.	Cumulo-stratus.	Hem. Hemisphere
Cumulus.	Nimbus.	Hor. Horizon.
Stratus.	Cirri.	Zth. Zenith.
Cirro-cumulus.	Cumuli.	H. Hour.
Cirro-stratus.	Strati.	M. Minute.
		S. Second.

TIDES.

The Tidal Observations are registered by a self-registering apparatus, moved by a pendulum clock; the description of this instrument, which has been many years in use and works under many disadvantages, is given in the Volume of Observations for the year 1848.

On the 2nd July and 8th August a new line was attached to the Tidal float.

ATMOSPHERIC ELECTRICITY.

The tension and frequency of Electricity and the number and length of the sparks of the same are duly shown by the electrical apparatus, the description of which is given in the Volume for 1857.

On the 31st May the whole apparatus was cleaned, and due arrangements made for securing it from humidity during the SW. monsoon.

TRANSIT OF MERCURY.

The transit of Mercury over the sun's disk occurred at Bombay on the 12th of November 1861. The observations are as follows:—

Ingress..... 10h. 8m. 39s. A.M.
Egress ..... 2h. 11m. 26s. P.M.

COMET OF 1861.

The Right Ascension and Declination of this Comet, reduced from the observations made by the First Assistant Goverdhun Luxumon, in July, are as follows:—

Month and Day.	Right Ascension of Comet.	Declination.	Length of its tail.
	H. M. S.	° ′ ″	
July ... 5	11.53.23	N 66· 7·53	6 degrees.
„ ... 7	13. 4.19	62·59·28	8 degrees.
„ ... 10	13.55.10	58·27·48	12 degrees.
„ ... 31	17. 5.10	32·00·00	Nebulous appearance.

BOMBAY GOVERNMENT OBSERVATORY.

METEOROLOGICAL OBSERVATIONS.

1861.

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 8 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 2nd-Midnight	29.974	29.303	75°0	70°0	5°0	67°5	0.79	76°1	80°2	NNE	0.0					
1 a. m.	.965	.257	74.8	71.0	3.8	69.2	.84	75.5	80.2	„	0.0					
2 „	.955	.242	74.4	71·0	3.4	69.4	.85	75.3	80.1	„	0.0					
3 „	.949	.292	74.8	69.5	5.3	66.9	.77	75.4	80.1	ENE	0.5					
4 „	.955	.298	74.8	69.5	5.3	66.9	.77	75.2	80.0	NE b E	0.7					
5 „	.967	.305	74.6	69.6	5.0	67.1	.79	75.2	80.0	ENE	0.3					
6 „	.985	.327	74.0	69.3	4.7	66.9	.80	74.8	80·0	NE b E	0.2					
7 „	30.022	·340	74.0	70.0	4.0	68.0	.83	74.8	79.9	E b S	0.5					
8 „	.037	.423	75.6	68.5	7.1	64.8	.71	75.9	79.8	ENE	0.5					
9 „	.041	.435	77.8	69.0	8.8	64.4	.65	77.0	79.8	„	0.1					
10 „	.034	.341	80.8	72.4	8.4	68.5	.68	79.2	80·0	„	0.1					
11 „	.005	.379	82.2	71.0	11.2	65.4	.58	79.9	80·0	SE b E	0.1	None.	None.	None.	None.	None.
Noon.	29.974	.344	85.2	72.0	13.2	65.6	.53	81.0	80.2	„	0.0					
1 p. m.	.944	.394	85.9	70.0	15.9	61.5	.46	82.0	80·4	NW b W	0.0					
2 „	.927	.308	87.4	72·4	15.0	65.1	.49	83.0	80.5	NW	0.4					
3 „	.919	.290	87.2	72·6	14.6	65.6	.50	83·4	80·6	„	0.3					
4 „	.922	.255	83.8	72.6	11.2	67.3	.59	82·0	80.6	„	0.8					
5 „	.931	.257	81.2	72.0	9.2	67.7	.65	80.5	80·6	„	0.4					
6 „	.956	.223	79.8	73.2	6·6	70.2	.74	79.3	80·5	N b W	0.7					
7 „	.978	.234	78.8	73.2	5.6	70.7	.77	79.0	80.5	„	1.2					
8 „	.989	.276	77.6	72.0	5.6	69.4	.77	78.0	80.5	„	0.6					
9 „	.987	.359	75.8	69.0	6.8	65·5	.72	76.4	80·4	NNE	0.2					
10 „	.989	.316	74.8	70.0	4.8	67.6	.79	75.7	80·3	NE b N	0.1					
11 „	.986	.356	75.6	69.0	6.6	65.6	.73	76.2	80·2	E	0.1					
Jan. 3rd-Midnight	29.974	29.337	75.0	69.0	6.0	65.9	.75	75.7	80.1	ENE	0.0					
1 a. m.	.955	.311	74.4	69.0	5.4	66.3	.77	75.0	80.0	„	0.0					
2 „	.945	.321	73.2	68.0	5.2	65.3	.77	74.1	80·0	„	0.0					
3 „	.938	.318	73.5	68.0	5.5	65.1	.76	74.2	79.8	„	0.0					
4 „	.933	.335	74.0	67·5	6.5	64.0	.73	74.4	79.7	E b N	0.6					
5 „	.754	.363	73.7	67.2	6.5	63.6	.73	74.3	79.7	„	0.5					
6 „	.976	.343	73.3	68·0	5.3	65.3	.77	74.2	79.7	E	0.8					
7 „	30·009	.383	73.6	68.2	5.4	65.4	.77	74·8	79.6	„	0.8					
8 „	.025	.397	75·8	69·0	6.8	65.5	.72	75.6	79.6	E b S	0.8					
9 „	.037	.486	77.4	67.2	10.2	61.5	.60	76.8	79.5	„	0·3					
10 „	.026	.505	79.5	67.0	12.5	59.9	.53	78.0	79.6	„	0.1					
11 „	29·997	.426	81.0	69.0	12·0	62.6	.55	79.0	79.7	ESE	0·2	None.				
Noon.	.970	.501	84·2	67.0	17.2	56.7	.41	80.7	79.8	„	0.1					
1 p. m.	.936	.405	86.4	69.6	16.8	60.4	.43	81.8	80.0	E b S	0.1					
2 „	.918	.352	86.0	70.5	13·5	62.3	.47	82.0	80.1	W b N	0.3					
3 „	.904	.286	86.3	72.0	14.3	65.0	.50	82.7	80.2	W	0·7					
4 „	.906	.294	84·8	71.4	13·4	64.7	.53	82.0	80.3	W b N	0.8					
5 „	.914	·282	81·7	71.0	10.7	65.7	.60	80.6	80.3	„	0·3					
6 „	.927	.276	80·0	71·0	9.0	66.6	.65	79.6	80.3	WNW	0 4					
7 „	.945	.263	79.1	71.6	7.5	68.0	·70	79.0	80.3	NW b W	0·2					
8 „	.958	.236	78.5	72.5	6 0	69.8	.76	78.5	80.3	NW b N	0.2					
9 „	.965	.274	76.4	71.0	5.4	68.4	.77	77.0	80.2	NNW	0.1					
10 „	.965	.346	74.2	68.2	6.0	65.1	.74	75.6	80.0	N	0.0		+	6		1.10
11 „	.957	.249	74·8	71.0	3.8	69.2	.84	75.8	80.0	„	0.1		+	2		0·27
Jan. 4th-Midnight	29.949	29.303	74.8	69.2	5.6	66.4	.76	75.8	79.9	NE	0 1					
1 a. m.	.935	.320	74.0	68.0	6.0	64.9	.74	75·0	80.0	„	.0.4					
2 „	.922	.248	74.7	70.0	4.7	67.7	.80	75.0	79.9	„	0.5					
3 „	.913	.262	73.7	69.0	4.7	66·6	.80	74.5	79.7	NE b N	0.2					
4 „	.908	.249	73.0	69.0	4.0	67·0	.82	74.0	79.6	„	0.5					
5 „	.947	.364	71·6	66.2	5.4	63.2	.76	73·0	79.6	„	0.3	None.	+	1	None.	Above 10m.
6 „	.955	.458	69.2	62.6	6.6	58.4	.70	71·1	79.4	NNE	0.0					
7 „	.981	.486	70.5	63.0	7.5	58.3	.67	72.3	79.3	N b E	0.0					
8 „	.011	.437	74.7	67·0	7.7	62.8	.68	74.5	79.3	NNE	0.2					
9 „	.016	.488	77.5	66.5	11·0	60.3	·57	76.7	79.3	NE	0·1					
10 „	29.998	.427	78.0	68.0	10·0	62.6	.61	77.1	79.4	„	0.1					
11 „	.973	.395	80.4	69.0	11.4	63.0	.57	78.2	79.5	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Nota.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒≀ cumuli; ⌒≀ cirro-strati; ⌒≀ cumulo-strati; and ⌒≀ nimbi.	
6	C	≀≀ around hor.; ≀ scattered throughout; a lunar halo.	Mean daily temperature of ground 20 and 60 inches below its surface 81°6 and 83°7. Highest reading of Barometer during this month was 30°041 in.
4	R	≀ and ≀≀ scattered about hor.	
2	R	≀≀ in ESE; ≀ scattered about hor.	
2	R	" "	
3	R	≀ scattered about, moving NE.	
5	B	≀ and ≀≀ scattered about, the former moving NE.	
6	B	" " "	
7	B	" " "	
7	B	Clouded as before; mist and fog in hor.	
6	C	" " "	
4	C	≀ scattered about, moving ENE.	
3	C	≀ scattered about hor.	
2	C	" "	
2	R	" "	
3	R	≀≀ around hor.; ≀ scattered about, moving ENE.	
2	R	≀≀ around hor.; ≀ scattered in S and SW.	
4	R	≀≀ along E hor.; ≀ scattered about.	
4	B	" "	
5	B	≀≀ along E hor.; ≀ scattered about.	
3	B	≀≀ in E hor.; ≀ scattered about.	
3	B	" "	
2	C	≀≀ scattered about hor., moving N.	
1	C	" "	
3	C	" "	
2	C	≀≀ scattered from NW to E hor., moving W.	Mean daily temperature of ground 20 and 60 inches below its surface 81°6 and 83°7.
1	R	Pieces of ≀≀ scattered from NW to E hor.	
0	R	Cloudless.	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	Mist along W hor.	
0	B	" "	
0	C	" "	
0	C	" "	
1	C	" "	
1	C	≀≀ scattered along E hor.	
2	R	" "	
2	R	" "	
2	R	≀≀ scattered around hor.	
2	R	" "	
1	B	Pieces of ≀≀ scattered around hor.	
1	B	Pieces of ≀≀ scattered here and there.	
0	B	" "	
0	B	Clear, except in hor.	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	Clear, except in hor.	Mean daily temperature of ground 20 and 60 inches below its surface 18°7 and 83°7. Highest temperature of air during the month was 88°0; it was the first day on which the wind blew abnormally.
0	R	A few ≀ above E hor.	
0	R	Cloudless.	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
2	B	≀ scattered about hor.; mist along W hor.	
4	B	≀ scattered about, moving E; mist along W hor.	
5	C	" " "	
6	C	≀ scattered about, moving E.	
5	C	" "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 Inch in the Ground.	Ground Thermometers. Thermometer 9 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in seconds between the same degree the tension after discharge
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 4th-Noon.	29.951	29.530	82·4	64·9	17·5	53·5	0.39	80·0	79·5	NE	0.1					
1 p. m.	.818	.461	85.2	67.0	18.2	55.9	.39	81.0	79.7	NNE	0.1		+	3		Above 10m.
2 „	.891	.465	88.0	67.0	21.0	53.9	.34	82.0	80.0	SW	0.1		+	2		Above 10m.
3 „	.880	.468	86.4	66.0	20.4	52.9	.33	82.0	80.0	WWS	0.1		+	1		Above 10m.
4 „	.883	.397	85.1	67.8	17.3	57.8	.41	81.5	80.0	W b N	0.1		+	2		Above 10m.
5 „	.895	.368	82.0	68.0	14.0	60.2	.49	80.2	80.1	„	0.1	None.				
6 „	.901	.319	80.0	69.0	11.0	63.2	.58	79.2	80.1	„	0.2					
7 „	.926	.333	79.0	69.0	10.0	63.8	.61	78.5	80.1	WNW	0.0		+	1		Above 10m.
8 „	.936	.308	76.5	69.2	7.3	65.5	.70	76.9	80.0	„	0.0		+	5		1.20
9 „	.939	.276	75.7	70.0	5.7	67.2	.76	76.0	79.9	„	0.0		+	6		2.07
10 „	.934	.281	75.4	79.6	5.8	66.7	.75	75.8	79.8	NNW	0.0		+	Out of Sc.	36	0.14
11 „	.921	.245	75.0	70.1	4.9	67.8	.79	75.8	79.8	NE b N	0.2		+	5	4	1.26
														7	7	4.40
Jan. 5th-Midnight	.905	.280	74.6	68.5	6.1	65.4	.74	75.5	79.7	NE	0.4		+	2		Above 10m.
1 a. m.	.893	.261	74.4	68.8	5.6	65.9	.76	75.0	79.7	„	0·3		+	1		Above 10m.
2 „	.875	.253	73.4	68.0	5.4	65.2	.77	74.5	79.6	„	0.6		+	1		Above 10m.
3 „	.860	.253	73.2	67·5	5.7	64.5	.75	74.0	79.5	„	0.5					
4 „	.874	.304	72.2	66.0	6.2	62.6	.73	73.1	79.5	„	0.4					
5 „	.883	.279	72.0	67.0	5.0	64.3	.78	73.1	79.4	„	0.0					
6 „	.898	.276	71.6	67.4	4.2	65.2	.81	73.0	79.3	„	0.1					
7 „	.930	.375	70.6	65.0	5.6	61.8	.75	73.0	79.2	„	0.2					
8 „	.956	.418	72.2	65.0	7.2	60.8	.69	73.0	79.1	„	0.1					
9 „	.953	.393	76.0	67.0	9.0	62.0	.64	75.0	79.1	„	0.1					
10 „	.949	.376	77.8	68.0	9 8	62.7	.62	76.4	79.2	„	0.1					
11 „	.919	.330	79.4	69.0	10.4	63.5	.60	77.8	79.2	„	0.0	None.				
Noon.	.886	.372	83.1	68.0	15.1	59.4	.47	80.0	79.4	„	0.0				None.	
1 p. m.	.845	.245	85.2	71.2	14.0	64.1	.51	81·0	79.5	N b W	0.2					
2 „	.818	.221	84.8	71.0	13.8	64.0	.51	81.2	79.7	WNW	0.3					
3 „	.809	.194	84.9	71.5	13.4	64.9	.53	81.7	79.8	„	0.3		+	1		Above 10m.
4 „	.813	.170	84.0	72.0	12.0	66.2	.57	81.5	80·0	„	0.5		+	1		Above 10m.
5 „	.824	.179	81.2	71.2	10.0	66.3	.62	80.2	80.0	„	0.3					
6 „	.838	.166	79.4	71.4	8.0	67.6	.68	79.0	80.0	NW b W	0.2					
7 „	.871	.170	78·7	72.0	6.7	68.9	.73	78.7	80.0	NW	0.4					
8 „	.885	.177	78.1	72.0	6.1	69.2	.75	78.1	80.0	NW b N	0.4					
9 „	.893	.171	77.2	72.1	5.1	69.8	.79	77.3	80.0	NNW	0.2					
10 „	.895	.217	75.0	70.2	4.8	67.8	.79	76.0	79.9	N	0.2					
11 „	.879	.278	73.8	67.5	6.3	64.2	.73	75.1	79.7	„	0.0					
Jan. 7th-Midnight	.887	.281	73.6	67.6	6 0	64·4	.74	74.6	79.5	NW b N	0.0					
1 a. m.	.874	.221	73.5	69.0	4.5	66.7	.81	74.5	79.4	„	0.0					
2 „	.850	.131	73.8	71.0	2.8	69.7	.88	74.3	79.3	„	0.0					
3 „	.850	.164	73.6	70.0	3.6	68.2	.84	74.3	79.2	„	0.0					
4 „	.858	.165	73.0	70.0	3·0	68.5	.87	74.0	79.2	„	0.0					
5 „	.880	.243	72.0	68·0	4.0	65.9	.82	73.4	79.2	„	0.0					
6 „	.911	.270	72.4	68.3	4.1	66.1	.82	73.3	79.1	„	0·0					
7 „	.923	.225	73.2	70.2	3.0	68·7	.87	74.0	79.1	N b W	0.0					
8 „	.950	.264	74.0	70·0	4.0	68.0	.83	74.3	79.0	N b E	0.0					
9 „	.946	.283	74.8	69.7	5.1	67.2	.78	75.0	79.1	NNE	0.1					
10 „	.944	.293	76.8	70.0	6.8	66.6	.72	76.0	79.1	NE b E	0.0	None.	None.	None.	None.	None.
11 „	.923	.250	78.0	71.0	7.0	67.6	.72	77.0	79.1	„	0.0					
Noon.	.907	.311	79.4	69.2	10.2	63.9	.61	77.9	79.2	NW	0.1					
1 p. m.	.873	.260	80.3	70.0	10.3	64.8	.61	78.5	79.3	NW b W	0.7					
2 „	.838	.276	81.8	69.0	12.3	62·1	.53	79.0	79.4	NW	0.7					
3 „	.840	.269	81.0	69.0	12.0	62.7	.55	79.0	79.5	„	0.6					
4 „	.841	.270	80.1	68.7	11.4	62.7	.57	78.7	79.5	NW b W	1.0					
5 „	.850	.279	78.0	68.0	10.0	62.7	.61	77.3	79.5	NW	0.4					
6 „	.857	.284	76.6	67.6	9·0	62·7	.64	76.3	79.4	„	0.5					
7 „	.888	.324	76.2	67.2	9.0	62.2	.64	76.1	79.3	NW b W	0.6					
8 „	.894	.333	75.9	67.0	8.9	62.1	.65	75.9	79.3	„	0.5					
9 „	.897	.334	75.7	67.0	8.7	62.2	.66	75.9	79.2	„	0.3					
10 „	.897	.338	75.0	66.6	8.4	62.0	.65	75.4	79.1	„	0.2					
11 „	.897	.377	73.8	65.0	8.8	59.8	.64	4.2	79.0	N b E	0.1					

Amount of Cloud 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀∪ nimbi.	
3	C	≀ scattered about, moving E.	
6	R	≀≀ along the E hor.; ≀ scattered about, moving E.	
6	R	≀≀ along the E hor.; ≀ scattered about, moving E.	
5	R	" " "	
5	R	≀ scattered about, moving ENE.	
4	B	" "	
5	B	" "	
4	B	≀ scattered about hor.	
5	B	≀ scattered about.	
4	C	≀ scattered about hor.	
4	C	" "	
1	C	≀ scattered around hor.	
1	C	≀ scattered in E hor.	Mean daily temperature of ground 20 and 60 inches below its surface 81°6 and 83°7.
0	R	A few ≀ in E hor.	
0	R	A few ≀, moving E.	
3	R	≀ scattered about, moving E.	
2	R	≀ scattered above N and E hor.	
1	B	" "	
4	B	≀ scattered about.	
3	B	≀ scattered about hor., moving ENE; mist from SW to N hor.	
2	B	" " " "	
3	C	" " " "	
4	C	≀ scattered about, moving NE.	
5	C	" "	
5	C	≀ scattered about, moving E.	
2	R	≀ scattered about hor., moving ENE.	
2	R	≀ and ≀≀ scattered around hor.	
3	R	" "	
4	R	≀ scattered about horizon.	
4	B	≀ scattered about horizon, moving ENE.	
5	B	" " "	
3	B	≀ scattered about hor.	
3	B	" "	
3	B	" "	
4	B	" "	
4	B	" "	
5	C	≀ scattered about.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°8.
5	R	" "	
4	R	" "	
5	R	≀ and ≀≀ scattered about.	
4	R	" "	
6	B	" "	
8	B	Overcast with ≀ and ≀≀, the latter moving E.	
8	B	" " "	
7	C	Clouded as before; mist along W hor.	
8	C	" " "	
7	C	≀ and ≀≀ scattered throughout, the latter moving E.	
7	C	" " "	
8	C	Overcast with ≀ and ≀≀, the latter moving ENE.	
6	R	≀ and ≀≀ scattered throughout, the latter moving NNE.	
5	R	Clouded as before, but the current of air was E.	
7	R	Densely clouded with ≀ and ≀≀, both moving NE.	
5	R	≀ and ≀≀ scattered about, both moving NE.	
6	B	" " "	
5	B	≀ and ≀≀ scattered about, the latter moving ENE.	
3	B	≀ and ≀≀ scattered about hor.	
2	B	" "	
1	C	" "	
0	C	Cloudless, except in hor.	
0	C	" "	

Bombay Civil Time* 1861.	Standard Barometer.		Thermometers.			Reduced Dew-Point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
													Readings of			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Straws of Volta 1.	Straws of Volta 2.	Interval of Time in seconds for same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 8th-Midnight	29.896	29.328	72°4	66°0	6°4	62°5	0.72	73°7	79°0	N b E	0.0					
1 a. m.	.886	.278	71.6	67.0	4.6	64.5	.80	73.0	79.0	„	0.0					
2 „	.874	.291	71.0	66.0	5.0	63.2	.78	72.5	78.8	„	0.0					
3 „	.866	.281	70.8	66.0	4.8	63.3	.79	72.0	78.7	„	0.0					
4 „	.866	.255	71.4	67.0	4.4	64.7	.80	72.5	78.7	NNE	0.0					
5 „	.880	.310	70.4	65.4	5.0	62.6	.77	71.5	78.6	NE b E	0.2					
6 „	.903	.328	69.8	65.2	4.6	62.8	.79	71.5	78.4	„	0.1					
7 „	.941	.322	70.6	67.0	3.6	65.1	.84	71.8	78.4	„	0.1					
8 „	.963	.366	72.6	67.0	5.6	64.0	.76	72.9	78.4	„	0.3					
9 „	.975	.415	74.6	66.5	8.1	62.0	.67	74.0	78.5	„	0.1					
10 „	.979	.332	77.2	70.0	7.2	66.4	.71	74.9	78.5	NE	0.3					
11 „	.957	.330	79.0	70.0	9.0	65.4	.65	77.0	78.6	„	0.2					
Noon.	.926	.304	81.0	70.5	10.5	65.2	.60	78.3	78.7	„	0.0	None.				
1 p. m.	.890	.290	81.4	70.0	11.4	64.1	.57	78.7	78.8	NW	0.7					
2 „	.872	.308	81.6	69.0	12.6	62.2	.54	79.0	79.0	„	0.8					
3 „	.864	.312	81.2	68.5	12.7	61.6	.53	78.7	79.0	„	0.8					
4 „	.857	.304	79.6	68.0	11.6	61.6	.56	78.3	79.0	„	0.8		+	1		Above 10m.
5 „	.865	.322	77.5	67.0	10.5	61.1	.59	77.1	79.0	„	0.3					
6 „	.874	.326	75.7	66.5	9.2	61.4	.63	75.8	78.9	„	0.2					
7 „	.902	.351	75.4	66.5	8.9	61.5	.63	75.4	78.9	„	0.5					
8 „	.919	.380	75.0	66.0	9.0	60.9	.63	75.1	78.8	„	0.7		+	1		Above 10m.
9 „	.924	.377	74.8	66.2	8.6	61.4	.65	75.1	78.7	„	0.8					
10 „	.926	.408	74.0	65.0	9.0	59.7	.63	74.4	78.7	NW b N	0.5		+	1		Above 10m.
11 „	.920	.400	73.8	65.0	8.8	59.8	.64	74.2	78.7	„	0.4		+	2		Above 10m.
Jan. 9th-Midnight	.919	.351	72.4	66.0	6.4	62.5	.72	73.1	78.6	NW b N	0.0		+	2		Above 10m.
1 a. m.	.902	.355	71.4	65.0	6.4	61.3	.72	72.4	78.5	N b W	0.3		+	1		Above 10m.
2 „	.893	.319	71.8	66.0	5.8	62.8	.75	72.7	78.5	NNE	0.5					
3 „	.886	.339	70.5	64.7	5.8	61.3	.74	72.0	78.3	„	0.2					
4 „	.891	.321	70.4	65.4	5.0	62.6	.77	71.6	78.3	„	0.1					
5 „	.910	.392	69.6	63.4	6.2	59.7	.72	71.1	78.1	„	0.0					
6 „	.921	.359	70.0	65.0	5.0	62.1	.77	71.1	78.1	„	0.3					
7 „	.949	.398	69.6	64.5	5.1	61.5	.77	70.9	78.0	„	0.1					
8 „	.973	.361	71.3	67.0	4.3	64.7	.81	71.8	77.9	„	0.3					
9 „	.993	.426	71.3	65.6	5.7	62.4	.75	72.0	77.8	NE b N	0.2					
10 „	.983	.390	73.0	67.0	6.0	63.8	.74	73.0	77.8	„	0.3					
11 „	.965	.361	75.0	68.0	7.0	64.3	.71	74.2	77.9	NE	0.3	None.				
Noon.	.927	.322	75.6	68.2	7.4	64.4	.70	75.0	78.0	„	0.0					
1 p. m.	.914	.319	78.8	69.0	9.8	63.9	.62	76.8	78.0	NNE	0.0	None.				
2 „	.893	.297	78.7	69.0	9.7	63.9	.62	77.0	78.0	NW	0.5					
3 „	.883	.276	77.7	69.0	8.7	64.5	.65	76.7	78.2	„	0.3					
4 „	.891	.276	77.0	69.0	8.0	64.9	.68	76.4	78.2	„	0.5		+	1		Above 10m.
5 „	.892	.290	75.7	68.2	7.5	64.2	.69	75.3	78.3	NW b N	0.5		+	2		Above 10m.
6 „	.909	.300	74.5	68.0	6.5	64.6	.73	75.0	78.1	„	0.4		+	2		Above 10m.
7 „	.930	.326	73.5	67.5	6.0	64.3	.74	74.1	78.1	NNW	0.3		+	20	18	0.36
8 „	.940	.326	72.6	67.5	5.1	64.8	.78	73.3	78.0	N b W	0.5		+	18	16	0.52
9 „	.954	.333	72.2	67.6	4.6	65.2	.80	73.0	77.9	NNW	0.3		+	3		Above 10m.
10 „	.955	.376	71.4	66.0	5.4	63.0	.76	72.2	77.9	N b W	0.3					
11 „	.947	.389	70.4	65.0	5.4	61.9	.76	71.5	77.8	„	0.4					
Jan. 10th-Midnight	.946	.403	70.0	64.4	5.6	61.1	.75	71.0	77.8	N b W	0.2					
1 a. m.	.940	.398	69.0	64.0	5.0	61.0	.77	70.5	77.6	„	0.4					
2 „	.923	.350	69.0	65.0	4.0	62.7	.82	70.2	77.5	„	0.2					
3 „	.916	.365	68.3	64.0	4.3	61.5	.80	69.7	77.5	„	0.2					
4 „	.919	.392	68.2	63.2	5.0	60.2	.77	69.6	77.3	N b E	0.2					
5 „	.926	.432	66.9	61.6	5.3	58.3	.75	68.5	77.1	N b W	0.3					
6 „	.951	.477	65.8	60.5	5.3	57.0	.75	68.0	77.0	„	0.1	None.	None.	None.	None.	None.
7 „	.961	.423	66.6	63.0	3.6	60.8	.83	68.5	77.0	„	0.2					
8 „	.988	.446	69.0	64.0	5.0	61.0	.77	69.8	76.9	„	0.2					
9 „	30.004	.514	71.0	63.0	8.0	58.0	.65	71.0	76.8	N	0.3					
10 „	29.991	.504	72.4	63.4	9.0	57.8	.62	72.0	76.8	„	0.2					
11 „	.966	.403	75.7	67.0	8.7	62.2	.65	74.1	77.0	N b E	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌒≤ cirro-strati; ⌒⌒ cumulo-strati; and ≤≤≤ nimbi.	Remarks.
0	C	Cloudless, except in hor.	Mean daily temperature of ground 20 and 60 inches below its surface 81°4 and 83°8.
0	R	A few ≤ in E hor.	
1	R	≤≤ scattered along E hor.	
2	R	" "	
0	R	Cloudless.	
0	B	"	
1	B	≤≤ scattered along E hor.	
1	B	≤≤ scattered around horizon; mist along W hor.	
1	B	" " "	
1	C	≤≤ scattered about W hor.; mist along W hor.	
2	C	≤≤ scattered around hor.	
2	C	≤≤ scattered about hor., moving ENE.	
2	C	" " "	
2	R	≤≤ scattered about hor., moving E.	
2	R	" " "	
3	R	≤≤ scattered about, moving E.	
7	R	Densely clouded with ≤ and ≤≤, both moving E.	
7	B	" " "	
7	B	" " "	
6	B	" " "	
5	B	≤ and ≤≤ scattered about.	
0	C	A few ≤≤ in W hor.	
1	C	≤≤ around hor.; ≤ scattered here and there.	
1	C	≤≤ scattered around hor.	
1	C	≤ scattered along E hor.	Mean daily temperature of ground 20 and 60 inches below its surface 81°2 and 83°9. This was the first day on which lightning was observed in the hor.
1	R	" "	
1	R	" "	
1	R	" "	
1	R	" "	
2	B	≤ scattered along E and S hor.	
4	B	≤ and ≤≤ scattered about, both moving E.	
7	B	Densely clouded with ≤ and ≤≤, both moving E.	
8	B	" " "	
8	C	" " "	
8	C	" " "	
8	C	" " "	
8	C	" " "	
8	R	" " "	
8	R	" " "	
8	R	⌒≤ in E hor.; ≤ and ≤≤ scattered throughout, both moving E.	
8	R	Clouded as before.	
7	B	⌒≤ in E hor.; ≤ and ≤≤ scattered throughout, both moving ENE.	
5	B	≤≤ and ≤ scattered about, both moving ENE.	
3	B	≤≤ and ≤ scattered about hor.; lightning in NE hor.	
3	B	" " " "	
2	C	≤≤ and ≤ scattered around hor.	
2	C	" "	
1	C	" "	
2	C	≤≤ scattered around hor.	Mean daily temparature of ground 20 and 60 inches below its surface 81°0 and 83°8.
2	R	" "	
4	R	≤≤ scattered about, moving E.	
3	R	" "	
3	R	≤≤ scattered about hor.	
5	B	≤≤ scattered about.	
5	B	≤≤ scattered about, moving E.	
7	B	≤≤ scattered throughout, moving E; mist along W hor.	
7	B	" " " "	
8	C	Overcast with ≤≤, moving E; mist along W hor.	
8	C	" " "	
8	C	≤≤ scattered throughout, moving E.	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 10th–Noon.	29.920	.366	77°8	67°4	10°4	61°7	0.59	75°6	77°1	NNE	0.1					
1 p. m.	.878	.349	78.8	67.0	11.8	60.3	.55	76.3	77.2	„	0.3		+	1		Above 10m.
2 „	.866	.283	79.9	69.0	10.9	63.2	.58	77.4	77.4	NW b W	0.4		+	1		
3 „	.852	.269	79.9	69.0	10.9	63.2	.58	77.7	77.5	„	0.6		+	1		
4 „	.841	.245	80.8	69.7	11.1	63.9	.58	78.0	77.6	NW	0.5		+	1		
5 „	.899	.264	78.6	69.2	9.4	64.4	.63	77.6	77.7	„	0.3	None.				
6 „	.879	.260	76.6	69.0	7.6	65.1	.69	76.0	77.7	„	0.3					
7 „	.906	.275	75.5	69.0	6.5	65.6	.73	75.5	77.7	„	0.3					
8 „	.905	.268	75.0	69.0	6.0	65.9	.75	75.2	77.7	„	0.2		+	3	3	2.20
9 „	.908	.288	74.8	68.4	6.4	65.1	.73	75.1	77.6	„	1.5		+	1		Above 10m.
10 „	.911	.286	74.8	68.0	6.8	64.4	.72	75.0	77.5	„	1.5		+	2		Above 10m.
11 „	.902	.361	73.0	65.4	7.6	61.0	.68	73.5	77.5	NNW	1.2					
Jan. 11th–Midnight	.899	.383	71.4	64.0	7.4	59.6	.68	72.1	77.5	NNW	0.6					
1 a. m.	.896	.398	70.3	63.0	7.3	58.5	.68	71.2	77.5	N	0.5					
2 „	.886	.374	69.0	63.0	6.0	59.3	.73	70.5	77.4	„	0.4					
3 „	.861	.372	68.4	62.0	6.4	58.0	.71	70.0	77.2	„	0.4					
4 „	.872	.390	69.0	62.0	7.0	57.5	.69	70.0	77.2	N b E	0.0					
5 „	.887	.385	67.2	62.0	5.2	58.7	.75	69.1	77.0	„	0.0					
6 „	.901	.462	66.2	59.5	6.7	54.7	.68	68.0	76.9	N	0.1					
7 „	.922	.473	66.6	60.0	6.6	55.4	.69	68.2	76.7	„	0.2					
8 „	.944	.424	71.0	64.0	7.0	59.8	.69	71.0	76.7	„	0.3					
9 „	.949	.394	70.6	65.0	5.6	61.8	.75	71.0	76.7	NNE	0.3					
10 „	.953	.358	73.4	65.2	8.2	63.9	.65	72.4	76.8	„	0.0					
11 „	.946	.381	75.0	66.8	8.2	62.3	.66	74.0	76.8	NNW	0.1	None.				
Noon.	.930	.371	77.6	67.5	10.1	62.0	.60	75.9	76.9	„	0.0					
1 p. m.	.898	.319	80.3	69.0	11.3	64.1	.57	77.5	77.0	NW b N	0.6					
2 „	.873	.339	82.3	68.3	14.0	60.6	.49	78.7	77.3	„	0.5					
3 „	.851	.278	83.8	70.0	13.8	62.7	.51	80.6	77.5	NNE	0.4					
4 „	.856	.408	83.2	66.0	17.2	55.3	.40	80.3	77.6	N	0.5					
5 „	.862	.413	80.6	65.2	15.4	55.4	.45	79.0	77.8	„	0.3					
6 „	.883	.345	78.0	67.0	11.0	60.8	.57	77.1	77.8	NW b N	0.2					
7 „	.901	.282	76.6	69.0	7.6	65.1	.69	76.4	77.8	NW	0.3					
8 „	.907	.303	75.0	68.0	7.0	64.3	.71	75.2	77.7	„	0.2					
9 „	.910	.306	73.8	67.6	6.2	64.3	.74	74.1	77.6	NNW	0.2		+	4	4	2.20
10 „	.912	.322	73.3	67.0	6.3	63.6	.73	74.0	77.6	NW b N	0.4					
11 „	.897	.359	72.2	65.0	7.2	60.8	.69	73.0	77.5	N b W	0.4					
Jan. 12th–Midnight	.903	.383	71.0	64.0	7.0	59.8	.69	72.0	77.5	N b W	0.4			3		0.30
1 a. m.	.898	.351	71.4	65.0	6.4	61.3	.72	72.0	77.4	„	0.5					
2 „	.902	.347	70.6	65.0	5.6	60.6	.75	71.5	77.4	„	0.4					
3 „	.898	.290	71.6	67.0	4.6	64.5	.80	72.0	77.3	NNW	1.0					
4 „	.901	.297	72.0	67.0	5.0	64.3	.78	72.3	77.3	„	1.4					
5 „	.902	.366	70.9	65.2	5.7	60.7	.75	71.9	77.2	N	1.0					
6 „	.905	.349	70.6	65.0	5.6	61.8	.75	71.5	77.2	N b E	0.5					
7 „	.921	.381	70.6	64.5	6.1	60.9	.73	71.2	77.2	„	1.0					
8 „	.938	.417	72.6	64.6	8.0	59.9	.66	72.4	77.2	„	0.4					
9 „	.947	.440	75.0	65.0	10.0	59.0	.59	74.2	77.2	„	0.2					
10 „	.936	.405	78.2	66.8	11.4	60.4	.56	76.1	77.3	„	0.3					
11 „	.913	.361	81.2	68.5	12.7	61.6	.53	78.0	77.5	NNE	0.1	None.	None.	None.	None.	None.
Noon.	.889	.280	83.7	71.0	12.7	64.6	.54	79.9	77.7	„	0.3					
1 p. m.	.852	.166	83.4	73.0	10.4	68.2	.61	80.3	77.8	NW	0.6					
2 „	.834	.178	84.5	72.5	12.0	66.8	.57	81.0	77.9	„	0.8					
3 „	.817	.198	82.8	71.0	11.8	65.1	.57	80.0	78.1	„	1.4					
4 „	.818	.202	80.0	70.0	10.0	64.9	.62	79.0	78.2	„	2.0					
5 „	.829	.245	78.3	68.5	9.8	63.3	.62	77.5	78.3	„	2.2					
6 „	.845	.211	76.9	69.5	7.4	65.8	.70	76.6	78.3	„	1.3					
7 „	.864	.268	75.7	68.0	7.7	63.9	.69	76.0	78.2	NNW	0.4					
8 „	.892	.310	74.6	67.2	7.4	63.2	.68	75.0	78.1	„	0.2					
9 „	.898	.316	74.0	67.0	7.0	63.2	.70	74.6	78.0	„	0.1					
10 „	.906	.290	74.5	68.2	6.3	64.9	.73	74.9	78.0	NW b N	0.1					
11 „	.906	.302	75.0	68.0	7.0	64.3	.71	75.2	78.0	„	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌒≀ cirro-strati; ⌒≀ cumulo-strati; and ⌒≀ nimbi.	
7	C	≀≀ scattered throughout, moving ENE.	
7	R	,, ,, ,,	
8	R	,, ,, ,,	
6	R	,, ,, ,,	
3	R	≀≀ scattered about hor., moving ENE.	
3	B	≀≀ scattered about hor.	
3	B	,, ,,	
2	B	,, ,,	
2	B	,, ,,	
1	C	≀≀ scattered along E hor.	
1	C	,, ,,	
0	C	A few ≀≀ above ESE hor.	
0	C	A few ≀≀ in E hor.	Mean daily temperature of ground 20 and 60 inches below its surface 80°8 and 83°7.
0	R	,, ,,	
2	R	≀≀ scattered about hor.	
2	R	,, ,,	
3	R	,, ,,	
4	B	≀≀ around hor.; ≀ scattered here and there.	
6	B	,, ,, ,,	
3	B	≀≀ around hor.; ≀ scattered here and there; mist along W hor.	
5	B	≀≀ scattered about, moving E; mist along W hor.	
8	C	Overcast with ≀≀, moving E.	
8	C	,, ,,	
8	C	,, ,,	
8	C	,, ,,	
4	R	≀≀ scattered about, moving NE.	
4	R	≀≀ scattered about hor.; a few ≀ about zenith, both moving E.	
4	R	≀≀ scattered about, moving ENE.	
3	R	≀≀ scattered about hor., moving ENE.	
2	B	,, ,, ,,	
3	B	≀≀ around hor.; ≀ scattered about, moving E.	
3	B	≀≀ scattered about hor.	
2	B	,, ,,	
1	C	,, ,,	
0	C	Cloudless, except in hor.	
0	C	,, ,,	
0	C	Cloudless, except in hor.	Mean daily temperature of ground 20 and 60 inches below its surface 80°5 and 83°5. This was the 2nd day on which lightning was observed after sunset.
0	R	,, ,,	
2	R	≀ and ≀≀ scattered about hor.	
4	R	≀≀ scattered about, moving E.	
8	R	Nearly overcast with ≀ and ≀≀, both moving E.	
4	B	≀ and ≀≀ scattered about hor.	
4	B	≀ and ≀≀ scattered about, the latter moving E.	
2	B	≀≀ scattered about, moving E; mist in hor.	
1	B	≀≀ scattered around hor.; mist in hor.	
1	C	≀≀ scattered above E and W hor.	
2	C	,, ,,	
0	C	A few ≀≀ above N hor.	
1	C	≀≀ scattered from W to N hor.	
1	R	,, ,,	
3	R	≀≀ scattered about, moving E; strong breezes of wind after 2h. 48m.	
8	R	⌒≀ along the E hor.; ≀≀ scattered throughout, moving ENE; strong breezes of wind blowing.	
8	R	Clouds in the sky and current of wind were as before.	
8	B	⌒≀ along the E hor.; ≀≀ scattered throughout, moving E; fresh breezes of wind blowing.	
8	B	Overcast; lightning in NE and E hor. at every 15 seconds intervals.	
5	B	≀≀ scattered about; lightning in NE and E hor. at intervals of 25s.	
3	B	,, ,, ,,	
8	C	Overcast with ≀≀; lightning in NE every minute.	
8	C	Overcast; lightning in NE every ½m.	
8	C	Ovrecast with ≀≀, moving E; lightning in ENE and ESE every ½m.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 14th-Midnight	29.863	29.226	72°0	68°0	4°0	65°9	0.82	73°0	78°2	N b E	0.0					
1 a. m.	.846	.164	71.8	69.0	2.8	67.6	.88	72.5	78.4	„	0.0					
2 „	.832	.166	72.4	69.0	3.4	67.3	.85	73.0	78.3	„	0.0					
3 „	.825	.202	71.8	67.5	4.3	65.3	.81	72.8	78.3	„	0.0					
4 „	.826	.211	71.0	67.0	4.0	64.9	.82	72.3	78.1	„	0.0					
5 „	.828	.221	70.6	66.6	4.0	64.5	.82	72.0	78.0	„	0.2					
6 „	.849	.227	70.4	67.0	3.4	65.2	.85	71.5	78.0	NNE	0.0					
7 „	.879	.209	72.0	69.0	3.0	67.5	.87	72.6	77.9	NE b E	0.0					
8 „	.898	.208	73.3	70.0	3.3	68.4	.86	73.3	77.9	ENE	0.2					
9 „	.898	.178	77.0	72.0	5.0	69.7	.79	76.0	78.0	„	0.3					
10 „	.892	.157	79.0	73.0	6.0	70.8	.76	77.2	78.1	„	0.2	None.			None.	
11 „	.879	.170	81.4	73.0	8.4	64.6	.68	78.9	78.3	„	0.1					
Noon.	.855	.168	83.4	73.0	10.4	68.2	.61	80.0	78.5	„	0.0					
1 p. m.	.833	.047	83.7	75.7	8.0	72.0	.70	81.0	78.6	NNE	0.4					
2 „	.833	.024	82.6	76.0	6.6	73.8	.75	81.0	78.7	NW	0.2					
3 „	.815	28.991	84.8	77.0	7.8	73.8	.70	82.0	79.0	„	0.5		+	1		Above 10m.
4 „	.823	.990	84.0	77.0	7.0	74.2	.73	81.7	79.0	NNW	0.4		+	1		Above 10m.
5 „	.843	29.050	81.3	75.2	6.1	72.7	.76	80.1	79.0	„	0.2					
6 „	.876	.067	79.1	75.0	4.1	73.3	.83	79.0	79.0	„	0.3					
7 „	.906	.087	78.2	75.0	3.2	73.7	.87	78.1	79.0	N b W	0.4					
8 „	.925	.130	76.9	74.0	2.9	72.8	.89	77.2	79.0	„	0.3					
9 „	.924	.158	76.2	73.0	3.2	71.6	.86	76.9	79.0	N	0.1					
10 „	.913	.214	75.6	71.0	4.6	68.8	.81	76.4	79.0	„	0.2					
11 „	.897	.140	76.3	72.8	3.5	71.2	.85	76.7	79.0	N b E	0.0					
Jan. 15th-Midnight	.881	.150	76.0	72.0	4.0	70.2	.83	76.5	79.0	N b E	0.1					
1 a. m.	.871	.150	75.6	71.6	4.0	69.7	.83	75.5	79.0	„	0.3					
2 „	.866	.142	75.0	71.5	3.5	69.9	.85	75.5	79.0	NNE	0.4					
3 „	.875	.162	74.4	71.0	3.4	69.4	.85	75.0	79.0	„	0.0					
4 „	.875	.136	75.3	72.0	3.3	70.5	.86	75.5	78.8	„	0.0					
5 „	.895	.174	75.3	71.5	3.8	69.8	.84	75.7	78.9	„	0.0					
6 „	.915	.136	75.0	73.0	2.0	72.1	.91	75.5	78.9	„	0.5					
7 „	.927	.208	74.5	71.2	3.3	69.7	.86	75.1	78.8	NE	0.6					
8 „	.950	.241	75.1	71.1	4.0	69.2	.83	75.3	78.8	„	0.7					
9 „	.967	.238	76.8	72.2	4.6	70.1	.80	76.6	78.9	NE b E	0.2					
10 „	.966	.228	80.0	73.4	6.6	70.5	.74	78.7	79.0	ENE	0.2	None.	None.	None.	None.	None.
11 „	.968	.272	80.5	72.4	8.1	68.6	.69	78.7	79.0	„	0.0					
Noon.	.947	.266	83.8	73.0	10.8	68.0	.61	80.3	79.1	„	0.0					
1 p. m.	.918	.157	86.0	75.7	10.3	71.4	.63	82.0	79.3	E	0.1					
2 „	.892	.096	87.4	77.0	10.4	72.8	.63	83.0	79.5	W	0.5					
3 „	.874	.036	87.2	78.0	9.2	74.4	.67	83.2	79.6	W b S	0.4					
4 „	.868	.052	85.5	77.0	8.5	73.6	.69	83.0	79.7	SW b S	0.4					
5 „	.883	.069	82.1	76.1	6.0	73.7	.77	81.1	79.7	NW	0.8					
6 „	.907	.066	79.7	76.0	3.7	74.5	.85	79.6	79.7	„	0.7					
7 „	.929	.106	78.6	75.2	3.4	73.8	.86	79.0	79.7	NNW	0.8					
8 „	.952	.130	77.9	75.0	2.9	73.8	.87	78.2	79.7	N b W	0.8					
9 „	.956	.159	76.7	74.0	2.7	72.9	.89	77.4	79.6	N b E	0.2					
10 „	.951	.183	76.0	73.0	3.0	71.7	.87	76.8	79.6	NNE	0.0					
11 „	.946	.178	76.0	73.0	3.0	71.7	.87	76.6	79.5	NE	0.0					
Jan. 16th-Midnight	.939	.166	75.5	73.0	2.5	71.9	.89	76.2	79.5	NE	0.0					
1 a. m.	.925	.134	75.6	73.5	2.1	72.6	.91	76.1	79.5	„	0.0					
2 „	.911	.122	75.8	73.5	2.3	72.6	.90	76.2	79.5	„	0.0					
3 „	.907	.166	75.1	72.0	3.1	70.6	.87	75.8	79.4	„	0.0					
4 „	.923	.160	74.8	72.5	2.3	71.5	.90	75.5	79.3	N	0.0					
5 „	.935	.188	75.2	72.2	3.0	70.8	.86	75.8	79.3	„	0.2	None.	None.	None.	None.	None.
6 „	.940	.226	74.3	71.0	3.3	69.4	.87	75.1	79.1	N b E	0.1					
7 „	.975	.258	74.0	71.0	3.0	69.6	.87	75.0	79.1	NNE	0.1					
8 „	.983	.305	75.3	70.3	5.0	67.8	.79	75.4	79.1	N b E	0.2					
9 „	.994	.270	76.6	72.0	4.6	69.9	.81	76.4	79.2	NNE	0.1					
10 „	.992	.253	78.6	73.0	5.6	70.5	.77	77.7	79.2	NE	0.2					
11 „	.975	.245	80.8	73.4	7.4	70.1	.71	79.0	79.3	NE b E	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐ cirri; ∿ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ∿ nimbi.	
0	C	A few ⌐ above ESE hor.	Mean daily temperature of ground 20 and 60 inches below its surface 80°5 and 83°6. This was the 3rd day on which lightning was observed after sunset.
0	R	Light ⌐ scattered here and there.	
0	R	A few ⌐ above W hor.	
0	R	Cloudless, except in hor.	
2	R	∿ scattered about hor.	
2	B	" "	
2	B	" "	
3	B	∿ scattered about hor.; mist along W hor.	
4	B	∿ scattered about, moving ENE; mist along W hor.	
2	C	∿ scattered about hor., moving ENE.	
3	C	" " "	
3	C	" " "	
7	C	∿ scattered throughout, moving ENE.	
8	R	Overcast with ∿, moving ENE.	
8	R	⌒ along E hor.; ∿ scattered throughout, moving NE.	
4	R	⌒ along E hor.; ∿ scattered about, moving ENE.	
3	R	" " "	
2	B	⌒ along E and W hor.; a few ⌐ above SW hor.	
3	B	⌒ in E hor.; ⌐ and a few ∿ scattered here and there.	
4	B	⌐ and a few ∿ scattered about; lightning in NNE hor. at every ½m. intervals.	
4	B	" " " " "	
8	C	Overcast with ⌐ and ∿; lightning in NE hor. at every 2¼m. intervals.	
8	C	Overcast; lightning in NE hor. every 1½m. interval.	
5	C	⌐ and ∿ scattered about, the latter moving ESE; lightning in NE at every 1¼m. interval.	
5	C	⌐ and ∿ scattered about, the latter moving E; lightning in NE hor. at intervals of about 5m.	Mean daily temparature of ground 20 and 60 inches below its surface 80°5 and 83°6. This was the 2nd day on which wind blew abnormally; this was the 4th day on which lightning was observed after sunset.
4	R	Clouded as before; lightning in NE hor. at long variable intervals.	
7	R	∿ and ⌐ scattered throughout, the former moving E.	
4	R	∿ and ⌐ scattered about hor.	
4	R	∿ and ⌐ scattered here and there.	
4	B	" "	
7	B	Densely clouded with ⌐ and ∿, the latter moving E.	
7	B	Clouded as before.	
7	B	" "	
7	C	" "	
7	C	∿ scattered throughout, moving ENE.	
5	C	∿ scattered about, moving NE.	
5	C	∿ scattered about, moving E.	
3	R	" " "	
4	R	⌒ along E hor.; ∿ scattered about.	
5	R	" " "	
3	R	" " "	
5	B	" " "	
7	B	⌒ along E; otherwise clouded with ∿, moving E.	
4	B	∿ scattered about, moving E; lightning in ENE hor. at every ½m. interval.	
2	B	∿ scattered about hor.; lightning in ENE hor. at every 2¼m. intervals.	
4	C	∿ in W hem., moving E; lightning in ENE.	
6	C	∿ scattered about, moving E.	
5	C	" " "	
6	C	∿ scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 80°5 and 83°5. Max. length of the spark by Ronald's measure.
6	R	" "	
4	R	" "	
7	R	Densely clouded with ∿, moving E.	
7	R	" " "	
7	B	" " "	
7	B	" " "	
7	B	" " "	
7	B	Densely clouded with ∿, moving E; mist along W hor.	
8	C	" " " "	
7	C	" " " "	
5	C	∿ scattered about, moving E.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 Inch in the Ground.	Ground Thermometers. Thermometer 9 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in reversing the same degree of tension after discharge.
	in.	in.	°	°	°	°		°	°		lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 16th–Noon.	29·943	29.186	82·8	74·7	8·1	71·2	0.69	80·4	79·5	NE b E	0.3					
1 p. m.	.906	.142	83.2	75.0	8.2	71.5	.69	80.8	79.5	NW b N	0.5					
2 „	.879	.124	84.0	75.0	9.0	71.2	.67	81.2	79.6	NW	0·5					
3 „	.861	.060	83.4	76.0	7.4	73.0	.72	81.0	79·7	„	0.8					
4 „	.853	.037	82·0	76.0	6.0	73.6	.77	81.0	79.8	„	0.5	None.	None.	None.	None.	None.
5 „	.867	.043	81.3	76.0	5.3	73.9	.79	80.4	79.8	„	0.5					
6 „	.880	.067	79.5	75.2	4.3	73.5	.83	79.3	79.8	„	0.7					
7 „	.890	.073	78.4	75.0	3.4	73.6	.86	78.5	79.8	NNW	0.6					
8 „	.913	.121	77.8	74.2	3.6	72.7	.85	78.1	79.8	„	0.7					
9 „	.914	.148	76.8	73.2	3.6	71.6	.85	77.4	79.7	„	0.3					
10 „	.912	.161	76·2	72.6	3.6	71.0	.85	77.0	79.6	N b W	0.2					
11 „	.905	.170	75.6	72.0	3.6	70.3	.85	76.1	79.6	„	0.1					
Jan. 17th–Midnight	.889	.174	74.8	71.2	3.6	69.5	.84	75·8	79.5	N b W	0.1					
1 a. m.	.872	.145	74.4	71.4	3.0	70.0	.87	75·1	79.5	„	0.3					
2 „	.856	.139	74.0	71·0	3.0	69.6	·87	75.0	79.5	„	0.2					
3 „	.834	.160	73.2	69.5	3.7	67.7	.84	74.5	79.4	„	0.2					
4 „	.854	.168	73.6	70.0	3·6	68.2	.84	74.5	79.3	„	0.4					
5 „	.854	.173	74.2	70.0	4.2	67.9	.82	75.0	79.3	NNW	0.6					
6 „	.885	.255	72.6	68.0	4.6	65.6	.80	73.2	79.2	NNW	0.1					
7 „	.896	.237	73.0	69.0	4.0	67.0	.82	74.0	79.1	„	0.1					
8 „	.927	.225	75.4	71.0	4.4	68.9	.81	75.2	79.1	NNE	0.1					
9 „	.943	.263	77.4	71.0	6.4	67.9	.74	76.6	79.2	NNW	0.2					
10 „	.945	.307	79.6	70.5	9.1	66·0	.65	77.9	79.2	„	0.1					
11 „	.936	.261	81.7	72.2	9.5	67.7	.64	79.0	79.3	NNE	0.1					
Noon.	.905	.233	81.4	72.0	9.4	67.6	.64	79.0	79.4	NW	0.2	None.	None.	None.	None.	None.
1 p. m.	.875	.183	82.9	73.0	9.9	68.5	.63	80.2	79.5	„	0.7					
2 „	.842	.149	82.8	73.0	9.8	68.5	.64	80.2	79.5	NW b N	0.8					
3 „	.825	.132	82.8	73.0	9.8	68.5	.64	80.2	79.5	„	0.8					
4 „	.827	.094	81.4	73.7	7.7	70.2	.70	80.0	79.6	„	1.0					
5 „	.834	.136	79.0	72.0	7.0	68.7	.72	78.6	79.6	„	0.4					
6 „	.845	.183	76.5	70.2	6.3	67.1	.74	77.0	79.5	„	0.6					
7 „	.870	.228	76.2	69.5	6.7	66.2	.72	76.4	79.5	„	1.0					
8 „	.886	.255	75.5	69.0	6.5	65.6	.73	76.0	79.4	„	0.7					
9 „	.886	.280	74.8	68.0	6.8	64.4	.72	75.3	79.3	NNW	0.2					
10 „	.879	.297	73.4	66.8	6.6	63.2	.72	74.3	79.2	„	0.0					
11 „	.874	.314	73·2	66.0	7.2	62.0	.69	74.0	79.2	„	0.2					
Jan. 18th–Midnight	.863	.300	72.8	66.0	6.8	62.2	.71	73.8	79.0	NNW	0.1					
1 a. m.	.848	.244	72·0	67.0	5.0	64.3	.78	73.0	78.8	„	0.1					
2 „	.843	.349	70.6	63.0	7.6	58.3	.67	72.0	78.7	„	0.2					
3 „	.832	·273	70.3	65.0	5.3	62.0	·76	71.7	78.6	„	0.1					
4 „	.828	.243	70.8	66.0	4.8	63.3	.79	72.0	78.5	„	0.2					
5 „	.856	.341	70.1	63.5	6.6	59.5	.71	71.5	78.5	„	0.1					
6 „	.880	.387	69·3	62.5	6.8	58.2	.69	70.6	78.3	„	0.0					
7 „	.916	.376	69.2	64.0	5.2	60.9	.76	70.6	78.2	„	0.0					
8 „	.943	.380	72·8	66.0	6.8	62.2	.71	72.8	78.2	N b W	0.1					
9 „	.961	.422	75.0	66.0	9.0	60.9	.63	74.2	78.2	„	0.2					
10 „	.954	.429	77.8	66.5	11.3	60.1	.56	76.1	78.3	„	0.1					
11 „	.940	·400	79.6	67.6	12.0	60.9	.55	77.0	78.4	NW	0.4	None.	None.	None.	None.	None.
Noon.	.913	.404	80.6	67.0	13.6	59.2	.50	78.0	78.5	„	0.5					
1 p. m.	.883	.345	81·0	68.0	13.0	60.8	.52	78.3	78.5	„	1.0					
2 „	.868	.322	81.8	68.5	13.3	61.3	.52	79.0	78.5	„	1.2					
3 „	.857	.275	81.5	69.5	12.0	63.2	.56	79.0	78.7	„	1.5					
4 „	.865	.294	81.0	69.0	12.0	62.6	.55	79.0	78.7	„	1.0					
5 „	.885	.312	78.4	68.2	10·2	62.7	.60	77.6	78.7	„	0.8					
6 „	.891	.302	76.4	68.0	8.4	63.5	.66	76.3	78·6	„	0.8					
7 „	.919	.326	76·0	68.0	8.0	63.8	.67	76.0	78.6	„	1.0					
8 „	.935	.334	75.3	68.0	7.3	64.2	.70	75.3	78.6	„	1.2					
9 „	.936	.327	74.5	68·0	6.5	64.6	.73	75.0	78.5	NW b N	0.6					
10 „	.942	.351	73.2	67.0	6.2	63.6	.73	74.3	78.5	N b W	0.2					
11 „	.931	.387	71.6	65.0	6.6	61·2	.71	72.8	78.3	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ≀≀ cirro-strati; ∩≀ cumulo-strati; and ∩≀ nimbi.	
5	C	∩≀ scattered about, moving ENE.	
5	R	" "	
4	R	" "	
4	R	" "	
7	R	∩≀ scattered throughout, moving E.	
7	B	" "	
6	B	" "	
7	B	" "	
4	B	" "	
6	C	" "	
5	C	" "	
4	C	" "	
3	C	∩≀ scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 80°8 and 83°5. This was the 3rd day on which the wind blew abnormally.
3	R	Clouded as before.	
2	R	" "	
3	R	" "	
3	R	" "	
4	B	" "	
2	B	∩≀ scattered about hor.	
3	B	∩≀ scattered about, moving E; mist along W and N hor.	
4	B	" " "	
4	C	≀ scattered about, moving E; mist along W hor.	
2	C	≀ scattered about hor.; mist along W hor.	
2	C	≀ scattered about hor.	
1	C	" "	
1	R	" "	
2	R	∩≀ along E hor.; ≀ about the remainder of hor.	
3	R	∩≀ along E hor.; ∩≀ along W hor; ≀ scattered about.	
7	R	∩≀ along E hor; ≀ scattered about.	
5	B	∩≀ around hor.; ≀ scattered about.	
6	B	" "	
2	B	≀ and ∩≀ scattered about hor., the latter moving E.	
1	B	" " "	
0	C	A few pieces of ≀ scattered in E. hor.	
0	C	" "	
0	C	Cloudless, except in hor.	
0	C	Cloudless, except in hor.	Mean daily temperature of ground 20 and 60 inches below its surface 81°2 and 83°6.
1	R	∩≀ around hor., otherwise clear.	
0	R	A few fragments of ∩≀ scattered here and there.	
2	R	∩≀ scattered about hor.	
1	R	" "	
0	B	A few fragments of ∩≀ above E hor.	
2	B	∩≀ scattered about, moving E.	
1	B	∩≀ scattered around hor; mist in hor.	
1	B	" "	
2	C	" "	
3	C	∩≀ scattered about, moving ENE.	
2	C	∩≀ scattered about hor., moving ENE.	
1	C	∩≀ scattered from N to S hor.	
1	R	∩≀ scattered about, moving E.	
2	R	∩≀ scattered about hor.	
2	R	" "	
2	R	" "	
1	B	∩≀ scattered along W hor.	
2	B	∩≀ scattered from SSE to N hor.	
0	B	A few fragments ∩≀ scattered here and there.	
0	B	" " "	
1	C	∩≀ scattered above N hor.	
2	C	∩≀ scattered in E hemisphere.	
2	C	" "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 Inch in the Ground.	Ground Thermometers. Thermometer 9 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		S. Div.	S. Div.	m. s.
Jan. 19th-Midnight	29.913	29.395	71°2	64°0	7°2	56°7	0·69	72°4	78°3	NNW	0·1					
1 a. m.	.909	.396	70·3	63·5	6.8	59.4	.70	71.5	78·2	„	0.0					
2 „	.905	.430	69.6	62.0	7.6	57.1	·67	71.0	78.0	„	0·2					
3 „	.896	.393	69.8	63.0	6.8	58.8	.70	71.0	78.0	„	0.1					
4 „	.904	.432	68.6	61.5	7.1	56.9	.68	70.0	77.8	„	0.3					
5 „	.920	.477	68.5	60.5	8.0	55.0	.64	69.6	77.8	N	0.4					
6 „	.957	.503	67.8	60.6	7.2	55.7	.67	69.2	77.6	„	0.1					
7 „	.971	.521	67.9	60.5	7.4	55.5	.67	69.2	77.4	„	0.1					
8 „	.992	.541	70.5	61.5	9.0	55.6	.61	70.7	77.3	„	0.1					
9 „	30.001	.561	74.2	64.5	9.7	58.6	.60	73·1	77.3	„	0.0					
10 „	.003	.531	76.8	64.5	12.3	56.9	.52	74.9	77.4	NNW	0.0					
11 „	29·984	·503	79.0	65.5	13.5	57.5	.49	76.0	77.5	NW b N	0.2	None.	None	None.	None.	None.
Noon.	.952	.468	80.0	66.0	14.0	57.6	.48	77.1	77.6	NW	0.6					
1 p. m.	.923	.479	80.6	65.0	15.6	55.1	.44	78.0	77·7	„	1.2					
2 „	.901	.405	80.4	66.5	13.9	58.4	.49	78.0	77.9	NW b N	1.5					
3 „	·893	.410	80·1	66.0	14.1	57.6	.48	78.0	78.0	„	1.7					
4 „	·907	.407	78.5	66.0	12.5	58.6	.53	77·0	78.0	„	1·6					
5 „	.919	.348	76.5	67.5	9.0	62.6	.64	76.2	78.2	„	1.5					
6 „	.938	.367	75.0	67.0	8.0	62.6	.67	75.0	78.1	„	1.2					
7 „	·963	·422	74.8	66.0	8.8	61.0	.64	74.9	78.0	„	1.8					
8 „	.988	.408	74.2	67.0	7.2	63.1	.70	74·5	77.9	NNW	0.7					
9 „	·990	·461	73.6	65.0	8.0	60.3	.66	73.7	77.8	„	0.2					
10 „	·994	.483	71.8	64.0	7.8	59.3	.66	72·7	77.7	„	0.1					
11 „	·987	.489	71.4	63.4	8.0	58.5	.65	72.2	77.6	„	0.1					
Jan. 21st-Midnight	.946	.584	66.6	57.0	9.6	49.3	.57	68.2	76.6	N b W	0.5					
1 a. m.	.925	.557	66.4	57.0	9.4	49.6	.57	65·9	76.5	„	0.6					
2 „	.913	.587	65.4	55.0	10.4	46.0	.52	67·0	76.5	„	0.3					
3 „	.901	.608	64.5	53.3	11.2	43.0	.49	66·0	76.2	„	0.7					
4 „	.897	.588	64.6	54.0	10.6	44.3	.51	66.0	76.0	N	0.8					
5 „	.909	.604	65.0	54.0	11.0	44.1	.49	66·2	75.9	„	0.7					
6 „	.947	.557	65.4	53.6	11.8	42.7	.46	66·4	75.7	„	0.2					
7 „	.965	.639	65.4	55.0	10.4	46.0	.52	66.4	75.6	„	0.1					
8 „	.974	.651	68.0	56.0	12.0	45.8	.48	68.1	75.6	„	0.2					
9 „	30·000	.495	72.4	64.0	8.4	58.9	.64	71.5	75.6	NNE	0.3					
10 „	29·996	.618	75.2	60 8	14.4	50.3	.44	73·0	75.8	NE b N	0.2					
11 „	.980	.620	78.4	61.4	17.0	48.9	.37	75.6	76·0	„	0.1	None.	None.	None.	None.	None.
Noon.	.946	.636	81.2	60.8	20.4	44.6	.30	77.5	76 2	„	0.1					
1 p. m.	.900	.458	83.7	66.0	17.7	55.0	.39	79.0	76.4	NW	0.4					
2 „	.876	.422	82.6	66 0	16.6	55·7	.42	79.0	76.5	NW b W	0.5					
3 „	.861	.411	83.0	66.0	17.0	55.5	.41	79.6	76.7	„	0.8					
4 „	.851	.307	82.3	68.0	14.3	60.0	.49	79.6	77.0	NW	0.6					
5 „	.866	.304	79.7	68.2	11.5	62.1	.57	78.5	77.0	„	0·3					
6 „	.874	.298	76.0	67.5	8.5	62.9	.66	76.0	77.1	NW b N	0.7					
7 „	.884	·308	74.5	67.0	7.5	62.9	.69	74.9	77.1	„	0.3					
8 „	.894	.344	74.0	66.0	8.0	61.5	.67	74.0	77.1	NNW	0.2					
9 „	.885	.353	72.7	65 0	7.7	60.5	.67	73.6	77.0	„	0.1					
10 „	.881	.380	71.3	63·5	7.8	58.7	.66	72.0	77.0	„	0.1					
11 „	.871	.392	70.2	64.0	6.2	60.3	·72	71.2	76.9	„	0.1					
Jan. 22nd-Midnight	·856	.338	69.8	63.5	6.3	59.7	.72	71.0	76.8	NNW	0.0					
1 a. m.	.851	.307	68.8	64.0	4.8	61.2	.78	70·2	76.7	„	0.1					
2 „	.842	.347	67.8	62 0	5.8	58.3	.73	70.0	76.5	„	0.1					
3 „	.829	.355	67.0	61.0	6.0	57.0	·72	69.2	76·5	„	0.0					
4 „	.833	.400	66.8	59.5	7.3	54·3	.66	68.5	76.4	NW b N	0·1	None.				
5 „	.842	.388	66.2	60.0	6.2	55.7	.71	68.3	76.3	„	0.2					
6 „	.864	.413	65.8	59.8	6.0	55.5	.71	67.5	76.2	NNW	0.0					
7 „	.887	.379	66.6	62.0	4.6	59.1	.78	68·2	76.1	„	0.0					
8 „	.908	.344	69.8	65.0	4.8	62.2	·78	70.0	76.0	„	0.1					
9 „	.931	.469	71.4	62.2	9.2	56.3	.60	71.0	76.0	„	0.0					
10 „	.934	.562	73.6	60.0	13.6	49.9	.46	72.0	76.1	„	0.1		+	1	1	Above 10m.
11 „	.917	.513	75.4	61.4	14.0	51.6	.45	73.5	76.3	NW	0.3		1	1	1	Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
1	C	≀ scattered about W hor.	Mean daily temperature of ground 20 and 60 inches below its surface 80°9 and 83°5.
0	R	A few fragments of ≀ in NW hor.	
0	R	" "	
0	R	" "	
1	R	≀ scattered along E hor.	
1	B	" "	
1	B	" "	
1	B	≀ and mist around hor.	
1	B	"	
1	C	≀ scattered above W hor; mist and haze around hor.	
1	C	" " "	
0	C	A few ≀ above E hor.	
0	C	Coudless.	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	C	"	
0	C	A few ≀ in W above hor	
0	C	Clouldless.	
0	C	"	
0	C	A few ≀ in W above hor.	
0	C	" "	
0	C	A few ≀ along E hor.	
0	N	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°7 and 83°4.
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	Mist in hor.	
0	B	"	
0	N	"	
0	N	"	
0	N	"	
0	N	Cloudless.	
0	R	"	
0	R	A few ≀ in W and E hor.	
0	R	" "	
1	R	Light ≀ scattered around hor.	
1	B	" "	
6	B	Light ≀ scattered throughout.	
3	B	Light ≀ scattered about hor.	
2	B	" "	
0	N	Cloudless, except in hor.	
0	N	Cloudless.	
0	N	"	
0	N	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°4 and 83°3.
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	A few fragments of clouds in ESE hor.	
0	B	Mist around hor.	
0	B	"	
0	N	Cloudless.	
1	N	≀ scattered along E hor.	
1	N	" "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	In.		S. Div.	S. Div.	m. s.
Jan. 22nd-Noon	29.894	29.471	77°1	63°0	14°1	53°7	0.46	75°0	76°3	NW	0.5		+	2	2	Above 10m.
1 p. m.	.849	.375	78.0	65.0	13.0	57.0	.50	75.6	76.4	„	0.5					
2 „	.831	.391	78.8	64.2	14.6	54.8	.46	76.0	76.5	„	0.7					
3 „	.818	.352	78.7	65.0	13.7	56.5	.49	76.4	76.5	„	1.0					
4 „	.820	.322	77.6	65.6	12.0	58.5	.54	76.0	76.5	„	1.0					
5 „	.838	.388	75.2	63·2	12.0	55.5	.52	74.8	76.6	„	1.0					
6 „	.850	.404	72.8	62.2	10.6	55.2	.56	73.1	76.6	„	1.0	None.				
7 „	.883	.477	71.6	60.4	11.2	52.4	.53	72.1	76.5	„	0.7					
8 „	.903	.503	71.1	60.0	11.1	52.0	.53	71·6	76.5	„	0.8		+	1	1	Above 10m.
9 „	.909	.521	70.6	59.4	11.2	51·1	.53	71.0	76.3	„	0.6		+	3	3	3.10
10 „	·913	.483	68.4	60.0	8.4	54.1	.62	69.6	76.1	NNW	0.2		+	2	2	Above 10m.
11 „	.906	.493	67.8	59.0	8.8	52.7	.61	69.0	76.0	N	0.1		+	3	3	Above 10m.
Jan. 23rd-Midnight	·902	.428	67.0	61.0	6.0	57.0	.72	68.8	76.0	N	0.0		+	4		3.08
1 a. m.	.895	.429	65.2	60.0	5.2	56.5	.75	68.5	75.8	„	0.0		+	2		Above 10m.
2 „	.890	.505	64.8	57·0	7.8	50.9	.63	67.0	75·7	„	0.1		+	2		Above 10m.
3 „	.893	.554	64.2	55.0	9.2	47.2	·56	66.0	75·5	„	0.1		+	3		2.40
4 „	.897	.579	63 8	54.0	9.8	45.3	.54	65.7	75·4	„	0.3		+	2		4.00
5 „	·911	.566	63.6	55.0	8.6	47.7	.59	65.5	75.3	„	0.3		+	3		2.19
6 „	.932	.587	62.5	54.5	8.0	47.7	.61	64.9	75.1	„	0.2		+	1		Above 10m.
7 „	.961	.611	63.2	55.0	8.2	48.1	.60	65.0	75.0	„	0.1		+	4		1.20
8 „	·995	.594	65.6	58.0	7.6	52·1	.64	66.1	74.9	„	0.1		+	2		3.18
9 „	30.008	.617	68.2	58.6	9.6	51.3	.57	68.0	74.9	NNE	0.2		+	3		6·50
10 „	·012	.656	72.0	58.8	13.2	48.6	.46	70.3	75.0	„	0.1		+	2		Above 10m.
11 „	29.994	.624	76.4	61.0	15.4	49.7	·41	73.3	75·2	N b E	0.1	None.	+	1	None.	Above 10m.
Noon.	·954	.561	79.7	63.0	16.7	51.5	.40	76.0	75.3	NNW	0.3		+	1		Above 10m.
1 p. m.	.914	.496	80.2	64.0	16.2	53.3	.41	76.5	75.4	NW b N	0.8		+	2		Above 10m.
2 „	.890	.433	79.5	65.0	14.5	55.9	.47	76.6	75.5	NW	1.0		+	1		Above 10m.
3 „	.878	.419	79.4	65.0	14.4	56.1	.47	76.7	75.7	„	1·0		+	1		Above 10m.
4 „	.876	.389	77.9	65.4	12.5	57.8	.52	76.2	75.8	„	1.0					
5 „	.892	.420	75.4	64.0	11.4	56.9	.54	74·9	75.9	NW b N	1.0					
6 „	.903	.404	73.5	64.2	9 3	58.6	.62	73.4	75.9	„	1.2					
7 „	.926	.426	72.8	64.0	8.8	58.6	.63	73.0	75.9	„	1.0					
8 „	.944	.453	72.3	63.5	8.8	58.1	.63	72.9	75·9	NNW	1·5					
9 „	.945	.524	70.8	60.6	10.2	53.5	.56	71.2	75.9	„	1.0		+	2		Above 10m.
10 „	.952	.479	69.8	62.0	7.8	57.0	.66	70.4	75.8	„	0.7		+	1		Above 10m.
11 „	.948	.566	67.5	58.0	9.5	50.7	.58	69.0	75.6	N b W	0.5		+	2		Above 10m.
Jan. 24th-Midnight	.938	.534	66.6	58.4	8·2	52·3	.62	68.0	75.6	N b W	0·0		+	4	4	
1 a. m.	.932	.581	64.3	55.5	8.8	48.2	·58	66.6	75.4	„	0.1					
2 „	.917	.570	64.4	55.4	9·0	47.8	.57	66·4	75.2	„	0.2					
3 „	.917	.599	64.5	54.3	10.2	45·2	.52	66.2	75.1	N	0.2					
4 „	.920	.601	66.3	55·0	11·3	45.4	.49	67.0	75·0	N b W	0.3	—	+	2		Not Obsd.
5 „	.932	.570	66.2	56·7	9.5	49.0	.56	67.0	74.9	„	0.2		+	4	4	Not Obsd.
6 „	.959	.632	65.3	55·0	10.3	46.1	·54	66.0	74.9	„	0.1		+	4	4	Not Obsd.
7 „	.988	.611	66.8	57.5	9.3	50.3	.58	67.3	74.7	N	0.2		+	2		Not Obsd.
8 „	30.014	.665	69·6	57.6	12.0	48.0	.49	69.0	74.7	NNE	0.1		+	2		Not Obsd.
9 „	.042	.732	71·6	57.0	14.6	44 6	.41	70.5	74·7	NE b N	0.7		+	2		Not Obsd.
10 „	.049	.722	73.8	58·5	15.3	46.4	.39	72·0	74.8	„	0.6		+	4		Not Obsd.
11 „	.018	.682	76.8	60·0	16.8	46.9	.37	74.2	75.0	NNE	0.3		+	2		Not Obsd.
Noon.	29.989	.691	80.2	60.0	20.2	43.4	.29	76.5	75.2	NE	0.2	None.	+	2		Not Obsd.
1 p. m.	.948	.625	82.4	61.7	20.7	45 8	.30	77.8	75.4	„	0.4		+	2		Not Obsd.
2 „	.917	.479	84 0	66.0	18.0	54 7	.38	79.3	75·6	NW b N	0.5		+	2		Not Obsd.
3 „	.904	.448	83.3	66.3	17.0	55.9	.41	79.3	75.7	NW	0.6		+	2		Not Obsd.
4 „	.893	.407	82.6	67.0	15.6	57.8	.45	79.1	75·9	„	0.3		+	2		Not Obsd.
5 „	.895	.343	79.8	68 0	11·8	61.6	.56	78.0	76.0	„	0.3		+	4	4	Not Obsd.
6 „	.906	.373	76.1	66·2	9·9	60·5	.60	75.5	76.0	„	0.7		+	3		Not Obsd.
7 „	.922	.381	74.8	66·0	8.8	61.0	.64	74.8	76.0	NW b N	1.0		+	4	4	Not Obsd.
8 „	.938	.420	74.0	65·0	.9.0	59.7	.63	73.0	76.0	NNW	1.4		+	2		Not Obsd.
9 „	.956	.513	72.5	62·0	10.5	55.0	.56	73.0	76.0	„	0.8		+	6	8	Not Obsd.
10 „	.957	.497	71.0	62·0	9.8	56 2	.61	72.0	76.0	N b W	0.5		+	8		Not Obsd.
11 „	.943	.467	69.5	62·0	7.5	53.2	.67	71.5	76.0	„	0.3		+	15	15	Not Obsd.

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇ cirri; ⌇ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ⌇ nimbi.	Remarks.
1	N	⌇ scattered along E hor.	
1	R	" "	
1	R	" "	
0	R	Cloudless.	
0	R	"	
0	B	"	
0	B	A few ⌇ in W hor.	
0	B	Cloudless.	
0	B	"	
0	N	"	
0	N	"	
0	N	"	
0	N	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°0 and 83°4. This day at 6 A. M., temperature of air was 62·5, being lowest in the month; this was an almost cloudless day.
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	A few ⌇ in ESE hor.	
0	B	A few ⌇ in ESE hor.; mist along W hor.	
0	B	" " "	
0	N	Mist around hor.	
0	N	" "	
0	N	" "	
0	N	" "	
0	R	Cloudless.	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	A few ⌇ in W hor.	
0	B	Cloudless.	
0	B	"	
0	N	"	
0	N	"	
0	N	"	
0	N	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 79°2 and 83°0. This was the 2nd day on which the sky was almost cloudless.
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	G	"	
0	G	Mist around hor.	
0	R	A few light ⌇ scattered here and there; mist in hor.	
0	R	A few ⌇ above E and W hor; mist and fog in hor.	
0	B	A few ⌇ above E and W hor; mist in hor.	
0	B	Mist along W hor.	
0	N	" "	
0	N	" "	
0	R	Cloudless.	
0	R	"	
0	B	"	
0	B	"	
0	G	"	
0	G	Mist in hor; fresh breezes of wind after 6h. 40m.	
0	R	Cloudless.	
0	R	"	
0	B	"	
0	B	"	
0	N	"	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 25th-Midnight	29.933	29.544	67°4	58°2	9°2	51°2	0.58	69°2	75°7	N b W	0.1		+	4		
1 a. m.	.919	.512	67.8	59.0	8.8	52.5	.61	69.0	75.7	,,	0.1		+	10	10	
2 ,,	.895	.525	68.6	58·0	10.6	51.3	.54	69.5	75.6	NNE	0.4		+	20	20	
3 ,,	.885	.526	69.2	57.8	11.4	48.8	.51	69.5	75.5	,,	0.7		+	4		Above 10m.
4 ,,	·871	.477	69.0	59.0	10.0	51.6	.56	69.3	75.5	,,	0.7		+	4		Above 10m.
5 ,,	.904	.527	68.0	58.0	10.0	50.3	.55	69.0	75.4	,,	0.7		+	4		2·20
6 ,,	.921	.487	68.0	60.0	8.0	54.4	.64	69.0	75·3	,,	0.6		+	3		1.56
7 ,,	.937	·487	68.6	60.8	7.8	55.5	.65	69.2	75.3	,,	0.8		+	4		2.28
8 ,,	.962	.513	70.4	61.4	9.0	55.4	.61	70.2	75.3	NE b N	0.8		+	1		Above 10m.
9 ,,	.977	.541	73.2	62.0	11.2	54.5	.54	72.0	75.3	NE	0.4		+	2		Above 10m.
10 ,,	.978	.552	76.8	63.0	13.8	53.9	.47	74.2	75·4	,,	0.3		+	4		Above 10m.
11 ,,	.966	.541	79.5	64.0	15.5	53.8	.44	76.4	75·5	,,	0.2	None.	+	2		Above 10m.
Noon.	.932	.525	81.2	64.0	17.2	52.5	.39	77.5	75.8	,,	0.1		+	2		Above 10m.
1 p. m.	.891	.574	83.8	62.0	21.8	45.2	.31	78.8	76·0	NE b E	0.2		+	1		Above 10m.
2 ,,	.865	.605	86.3	61·0	25.3	39.8	.34	80.0	76.3	,,	0.1		+	4		Above 10m.
3 ,,	.853	.526	87.4	64·0	23.4	46.1	.34	81·5	76·5	N	0.3		+	3		Above 10m.
4 ,,	.850	.281	84.2	70.0	14.2	62.5	.50	81·0	76.6	NW b W	0.4		+	4		Above 10m.
5 ,,	.865	.286	80.8	67.2	11.6	63.0	.57	79.3	76·7	,,	0.3					
6 ,,	.875	.257	77.7	69.3	8·4	65.0	.67	77.1	76·8	,,	0.3					
7 ,,	.894	.239	75.8	69.8	6.0	66.8	.75	76.0	76.7	NW	0.2		+	8		0.18
8 ,,	.910	.282	74.3	68.5	5.8	65.5	.75	75.0	76.7	NNW	0.2		+	4		1.28
9 ,,	.916	.351	72.6	66.0	6.6	62·3	.72	73.5	76·6	,,	0.2		+	2		3.10
10 ,,	.914	.373	71.9	65.0	6.9	61.0	.70	73.0	76·6	,,	0.1		+	2		2.25
11 ,,	.903	.417	69.4	62.2	7.2	57.8	.68	71.2	76·6	,,	0.1		+	12	12	0.20
Jan. 26th-Midnight	.886	.333	68.0	64.0	4.0	61.6	.81	70.0	76.5	NNW	0.0		+	Out of Sc.	100	0.03
1 a. m.	.874	.312	70.0	65.0	5.0	62.1	.77	71.0	76.3	,,	0.0		+	Out of Sc.	50	0.05
2 ,,	.854	.303	68.2	64.0	4.2	61.5	.80	69.8	76·2	,,	0.0		+	4		0.10
3 ,,	.847	.298	67.0	63.5	3.5	61.4	.83	69.0	75.9	,,	0.0		+	25	25	0.23
4 ,,	.843	.309	67.0	63.0	4·0	60.6	.81	69.0	75.9	,,	0.0		+	5		1.00
5 ,,	.860	.352	66.6	62.0	4.6	59.1	.78	69.0	75.9	,,	0.0					
6 ,,	.877	.362	66.6	62.2	4·4	59.5	.80	69.0	75.7	,,	0.0					
7 ,,	.898	.401	65.0	61.0	4.0	58.4	.81	67·5	75.6	,,	0.0		+	8		0.25
8 ,,	.924	.408	68·6	63.0	5·6	59.6	.75	69.3	75.6	,,	0.0					
9 ,,	.937	.430	72.2	64.0	8.2	59.0	.63	71.5	75.7	,,	0·0					
10 ,,	.941	.425	74.2	65.0	9.2	59.6	.62	73.0	75.8	,,	0.0		+	2		Above 10m.
11 ,,	.925	.429	76.0	65·0	11.0	58.4	.56	74.1	75.9	,,	0·0	None.	+	1		Above 10m.
Noon.	.898	.338	79.0	68.0	11.0	62.0	.58	75.9	76.0	,,	0.1		+	3	2	1.07
1 p. m.	.864	.275	79.4	69.0	10.4	63.5	.60	76.0	76.0	W b N	0.1		+	17	17	0.30
2 ,,	.842	.255	81.0	69·5	11.5	63.4	.57	77·0	76.2	W	0.2		+	20	20	Above 10m.
3 ,,	.830	.192	81.2	71.0	10 2	66.0	.61	78.0	76.4	W b S	0·4		+	1	1	Above 10m.
4 ,,	.829	.193	81·4	71·0	10.4	65.9	.61	78.4	76.5	WSW	0.3					
5 ,,	.847	·224	79·3	70.0	9.3	65.3	.64	77.6	76.5	,,	0·2					
6 ,,	.860	.262	77·0	68.5	8·5	64.0	.67	76.0	76.5	,,	0 1					
7 ,,	.878	.269	74.8	68.0	6.8	64.6	·72	75.0	76.5	,,	0·0					
8 ,,	.902	.293	74.8	68·0	6.8	64.6	.72	75·0	76.5	,,	0.1					
9 ,,	.924	.335	74.3	67.3	7.0	63.5	.70	74.5	76.5	,,	0.0					
10 ,,	.922	.310	74.3	68.0	6.3	64.7	.73	74.4	76.5	,,	0.2					
11 ,,	.912	.322	73·8	67.2	6.6	63.6	.72	74.0	76.5	W b S	0.2					
Jan. 28th-Midnight	.946	.256	73.0	69.9	3.1	68.4	.86	74.0	77.4	W b N	0 0					
1 a. m.	.938	.245	73.0	70.0	3.0	68.5	.87	73·8	77.3	NE b E	0.3					
2 ,,	.929	.250	72.4	69.4	3.0	67.9	·87	73.6	77.3	,,	0.2					
3 ,,	.917	.232	72.2	69.5	2.7	68·1	.91	73.4	77.2	,,	0.1					
4 ,,	.922	.248	71.6	69.0	2.6	67·7	.88	73.0	77.1	,,	0.1					
5 ,,	.937	.281	70·8	68.2	2.6	66.8	.88	72·4	77.1	,,	0.0	None.			None.	
6 ,,	.953	.294	70.6	68.5	2.1	67.0	.90	72·0	77.0	,,	0.1					
7 ,,	.983	.324	70.8	68·2	2.6	67.0	.88	72.0	77.0	N b E	0.1					
8 ,,	.991	.330	72.7	68·7	4.0	66.6	.82	72.9	77.0	N b W	0.3		+	1		Above 10m.
9 ,,	.999	.406	73.6	67.2	6·4	63.8	·73	73.9	77.0	N	0·2					
10 ,,	.997	.393	76.2	68.4	7·8	64.3	.68	75.1	77.1	NW	0.6					
11 ,,	.978	.407	78.0	68.0	10.0	62.6	.61	76.2	77.1	,,	1.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒⌒i cirro-cumuli; ⌒⌒i cumuli; ⌒⌒i cirro-strati; ⌒⌒i cumulo-strati; and ⌒⌒i nimbi.	
0	N	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 79°0 and 83°5. This was the first cloudless day during the year.
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	Light mist along W hor.	
0	B	" "	
0	N	" "	
0	N	" "	
0	N	" "	
0	N	" "	
0	R	" "	
0	R	Cloudless.	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	N	"	
0	N	"	
0	N	Cloudless; dew falling.	
0	N	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°0 and 83°3. The wind blew abnormally on the 7th instant.
0	G	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	B	" "	
0	B	" "	
0	B	Mist along W hor.	
0	B	" "	
0	C	Mist and fog in hor.	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	A few patches of ⌒⌒i scattered here and there.	
5	B	⌒⌒i scattered about, moving E.	
6	B	" "	
3	B	" "	
3	B	" "	
0	C	A few fragments of ⌒⌒i scattered along E hor; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°2 and 83°1.
1	R	⌒i scattered about E hor; dew falling.	
0	R	Cloudless; dew falling.	
0	R	" "	
0	R	" "	
1	B	⌒⌒i scattered above E and W hor; dew falling.	
2	B	⌒⌒i scattered about hor; dew falling.	
5	B	⌒⌒i scattered about, moving S; mist along W hor.	
3	B	⌒⌒i scattered about, moving W; mist along W hor.	
4	C	⌒⌒i scattered about, moving SE.	
1	C	⌒⌒i scattered around hor.	
1	C	" "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds between the first and last divergence after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 28th-Noon.	29.951	29.388	78°7	68°0	10°7	62°2	0.59	76°8	77°2	NW	1.0					
1 p. m.	.919	.339	79.2	68.0	11.2	63.1	.57	77.0	77.4	,,	1.0					
2 ,,	.885	.309	79.0	63.5	10.5	62.9	.59	77.0	77.5	,,	1.0					
3 ,,	.867	.298	78.2	68.0	10.2	62.5	.60	76.5	77.5	,,	1.5					
4 ,,	.867	.256	77.4	69.0	8.4	64.7	.66	76.2	77.5	,,	1.3	None.	None.	None.	None.	None.
5 ,,	.877	.277	75.4	68.0	7.4	64.1	.69	75.1	77.6	,,	1.3					
6 ,,	.889	.322	73.3	66.3	7.0	62.4	.70	73.5	77.5	,,	1.2					
7 ,,	.910	.331	72.6	67.0	5.6	64.0	.77	73.1	77.4	,,	1.3					
8 ,,	.923	.321	72.2	67.0	5.2	64.2	.77	72.9	77.2	,,	1.0					
9 ,,	.931	.411	71.0	64.0	7.0	59.8	.69	72.0	77.1	NNW	0.7					
10 ,,	.923	.435	69.6	62.4	7.2	57.9	.68	70.8	76.9	,,	0.4					
11 ,,	.916	.434	69.0	62.0	7.0	57.5	.69	70.4	76.7	,,	0.3					
Jan. 29th-Midnight	.910	.451	68.4	61.0	7.4	55.9	.66	69.8	76.5	NNW	0.2					
1 a. m.	.903	.412	68.2	62.0	6.2	58.1	.71	69.0	76.5	,,	0.4					
2 ,,	.891	.396	67.8	62.0	5.8	58.3	.73	69.0	76.4	N b W	0.4					
3 ,,	.882	.408	67.0	61.0	6.0	57.0	.72	68.5	76.3	,,	0.6					
4 ,,	.880	.403	66.8	61.0	5.8	57.2	.73	68.2	76.1	,,	0.5					
5 ,,	.894	.455	66.2	59.5	6.7	54.7	.68	67.9	76.0	,,	0.3					
6 ,,	.909	.501	65.2	58.0	7.2	52.6	.66	67.0	75.7	NNW	0.2					
7 ,,	.931	.535	65.0	57.5	7.5	51.7	.64	66.5	75.6	N b W	0.0					
8 ,,	.954	.542	67.4	59.0	8.4	52.9	.62	68.0	75.6	,,	0.1					
9 ,,	.960	.527	70.8	60.4	10.4	54.3	.56	70.2	75.7	,,	0.2					
10 ,,	.952	.469	74.3	64.0	10 3	57.6	.57	72.6	75.8	,,	0.3					
11 ,,	.932	.473	76.5	64.0	12.5	56.1	.52	74.0	75.9	NNW	0.4	None.	None.	None.	None.	None.
Noon.	.899	.449	78.5	64.4	14.1	55.5	.48	76.0	76.0	NW b N	1.0					
1 p. m.	.869	.376	79.2	66.0	13.2	58.2	.50	76.4	76.0	NW	1.0					
2 ,,	.838	.312	79.1	67.0	12.1	60.1	.54	76.4	76.1	,,	1.0					
3 ,,	.824	.320	78.2	66.0	12.2	58.9	.53	76.0	76.3	,,	1.0					
4 ,,	.823	.304	76.8	66.0	10.8	59.7	.57	75.0	76.3	,,	1.4					
5 ,,	.844	.301	74.6	66.0	8.6	61.1	.65	74.0	76.4	,,	1.5					
6 ,,	.850	.341	72.0	64.0	8.0	59.2	.66	72.6	76.4	,,	1.2					
7 ,,	.863	.346	71.3	64.0	7.3	59.6	.68	72.0	76.2	,,	1.0					
8 ,,	.880	.360	71.0	64.0	7.0	59.8	.69	71.9	76.1	NW b N	1.0					
9 ,,	.883	.382	70.0	63.0	7.0	58.7	.69	70.7	75.9	NNW	0.6					
10 ,,	.884	.402	69.0	62.0	7.0	57.5	.69	70.0	75.9	,,	0.3					
11 ,,	.862	.395	67.6	61.0	6.6	56.6	.70	69.0	75.7	,,	0.2					
Jan. 30th-Midnight	.854	.356	67.5	62.0	5.5	58.5	.75	69.0	75.6	NNW	0.2					
1 a. m.	.838	.334	67.0	62.0	5.0	58.9	.77	68.5	75.5	,,	0.1					
2 ,,	.824	.365	65.8	60.0	5.8	56.1	.72	68.0	75.5	,,	0.2					
3 ,,	.814	.325	65.7	61.0	4.7	58.0	.78	67.5	75.5	,,	0.2					
4 ,,	.812	.309	65.8	61.5	4.3	58.8	.79	67.5	75.3	,,	0.2		+	20	20	0·40
5 ,,	.819	.310	65.2	61·5	3.7	59.2	.82	67.2	75.2	,,	0.0		+	6		1.08
6 ,,	.839	.359	66.5	61.0	5.5	57.4	.74	68.0	75.2	,,	0·1		+	1		Above 10m.
7 ,,	.861	.367	66.6	61.5	5.1	58·3	.76	68.0	75.1	N	0.1					
8 ,,	.885	.354	70.0	64·0	6.0	60.4	.73	69.8	75.1	NNE	0.0					
9 ,,	.901	.422	72.0	63.0	9.0	57.3	.62	71.4	75.2	,,	0.0		+	3		Above 10m
10 ,,	.902	.378	76.4	66.0	10.4	60.0	.58	74.0	75.4	N	0.2					
11 ,,	.881	.299	77.0	68.0	9.0	63.2	.64	75.1	75.5	NNW	0.1	None.				
Noon.	.856	.278	78.8	68.5	10.3	63.0	.60	76.0	75.6	,,	0.3					
1 p. m.	.828	.251	79 5	68.7	10.8	62.9	.59	76.8	75.7	NW b W	0.5		+	2		Above 10m.
2 ,,	.796	.182	80.2	70.0	10.2	64·8	.61	77.3	75.9	,,	0.5		+	3		Above 10m.
3 ,,	.787	.143	80.6	71.0	9.6	66.3	.63	77.9	76.0	,,	0.7		+	3		Above 10m.
4 ,,	.790	.146	80.6	71.0	9.6	66.3	.63	78.0	76.1	NW	0.6		+	1		Above 10m.
5 ,,	.807	·133	78.6	71.2	7.4	67.7	.71	77.3	76.3	,,	0.3					
6 ,,	.821	·179	75.2	69.2	6·0	66.2	.75	75.0	76.4	,,	0.6					
7 ,,	.843	.239	73.6	67.5	6.1	64·3	.74	74.1	76.5	,,	0.3					
8 ,,	.854	.287	73.3	66.3	7.0	62.4	.70	73.6	76.5	,,	0.6					
9 ,,	.864	.236	72.8	68.0	4.8	65.5	.79	73.3	76.4	NNW	0.4		+	1		Above 10m.
10 ,,	.872	.299	71.6	66·0	5.6	62.7	.75	72.4	76.3	,,	0.1		+	1		Above 10m.
11. ,,	.866	·262	70.6	66·5	4·1	64.7	.82	71.9	76.2	,,	0.0		+	1		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Nota.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒≀ cumuli; ⌒≀ cirro-strati; ⌒≀ cumulo-strati; and ≀≀ nimbi.	
1	C	≀≀ scattered around hor.	
1	R	,, ,,	
0	R	Cloudless.	
0	R	,,	
0	R	,,	
0	B	,,	
1	B	≀ scattered along E hor.	
0	B	Cloudless.	
0	B	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 78°1 and 83°0.
0	R	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	B	,,	
0	B	Mist in hor.	
0	B	,,	
0	B	,,	
0	C	Mist and fog in hor.	
0	C	,, ,,	
0	C	,, ,,	
0	C	Cloudless.	
0	R	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	B	,,	
0	B	A few ≀ above W hor.	
0	B	Cloudless.	
0	B	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 79°0 and 83°0. At 3 P. M. barometer was 29°717, being the lowest reading in the month.
0	R	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	B	Cloudless; dew falling.	
0	B	,, ,,	
0	B	Mist and fog in hor.	
0	B	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
1	C	Light ≀ scattered from W to NNW hor.	
2	C	Light ≀ scattered from S to N hor.	
3	R	≀ scattered about, moving E.	
4	R	,, ,,	
3	R	,, ,,	
7	R	≀ scattered throughout, moving E.	
6	B	≀ scattered about; mist along the E hor.	
7	B	,, ,, ,,	
3	B	≀ scattered about.	
3	B	,, ,,	
0	C	A few ≀ in W hor.	
3	C	≀ scattered about.	
3	C	,, ,,	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 31st-Midnight	29.851	29.241	70°0	66°5	3°5	64°6	0.84	71°4	76°1	N	0.0		+	2		Above 10m.
1 a. m.	.833	.226	68.8	66.0	2.8	64.5	.87	70.0	76.0	„	0.0		+	1		Above 10m.
2 „	.824	.219	69.0	66.0	3.0	64.4	.86	70.0	76.0	„	0.2					
3 „	.819	.299	68.3	63.0	5.3	59.8	.75	69.8	75.9	„	0.1					
4 „	.821	.247	67.8	64.6	3.2	62.8	.85	69.5	75.8	„	0.1					
5 „	.835	.301	67.0	63.0	4.0	60.6	.81	68.9	75.7	„	0.1					
6 „	.863	.350	66.2	62.0	4.2	59.4	.80	68.0	75.6	„	0.0					
7 „	.882	.340	67.6	63.5	4.1	61.0	.81	68.8	75.6	„	0.0					
8 „	.903	.348	70.6	65.0	5.6	61.8	.75	70.2	75.6	„	0.1					
9 „	.917	.394	72.4	64.6	7.8	60.0	.67	71.1	75.6	NNE	0.1					
10 „	.926	.409	77.0	66.0	11.0	59.6	.57	74.0	75.7	„	0.0					
11 „	.900	.371	78.8	67.0	11.8	60.3	.55	75.9	75.8	„	0.1	None.			None.	
Noon.	.874	.308	79.0	68.2	10.8	62.3	.58	76.3	75.8	NNW	0.1					
1 p. m.	.836	.196	81.0	71.0	10.0	66.1	.62	76.1	76.0	NW	0.5					
2 „	.817	.195	81.4	72.0	9.4	67.6	.64	78.0	76.2	„	0.5					
3 „	.803	.090	81.0	73.0	8.0	69.4	.69	78.0	76.5	NW b W	0.6					
4 „	.794	.085	81.4	73.0	8.4	69.2	.68	78.4	76.5	„	0.4					
5 „	.815	.110	79.0	72.2	6.8	69.0	.73	77.2	76.6	NW	0.3					
6 „	.824	.125	75.6	71.0	4.6	68.8	.81	75.4	76.6	„	0.4					
7 „	.852	.223	74.2	68.5	5.7	65.5	.76	74.2	76.6	„	0.4					
8 „	.871	.245	73.6	68.2	5.4	65.4	.77	74.0	76.6	„	0.2					
9 „	.873	.230	73.2	68.6	4.6	66.2	.80	73.6	76.5	„	0.1					
10 „	.883	.222	72.8	69.0	3.8	67.1	.83	73.3	76.5	NW b N	0.1					
11 „	.879	.238	71.6	68.0	3.6	66.1	.84	72.4	76.5	„	0.0					
Feb. 1st-Midnight	.858	.236	70.4	67.0	3.4	65.2	.84	71.5	76.4	NW b N	0.0					
1 a. m.	.848	.193	70.4	68.0	2.4	66.8	.84	71.3	76.3	„	0.0					
2 „	.838	.222	68.0	66.0	2.0	64.9	.91	70.2	76.2	NNW	0.0					
3 „	.823	.190	69.4	67.0	2.4	65.7	.89	70.2	76.0	„	0.0					
4 „	.829	.203	70.0	67.0	3.0	65.4	.86	71.0	76.0	„	0.0					
5 „	.850	.234	68.6	66.2	2.4	64.9	.89	70.0	76.0	„	0.1					
6 „	.876	.285	67.4	65.0	2.4	63.7	.89	69.0	75.9	„	0.0					
7 „	.901	.291	68.5	66.0	2.5	64.6	.89	69.6	75.9	„	0.0					
8 „	.918	.333	70.8	66.0	4.8	63.3	.79	71.0	75.8	NE b N	0.1					
9 „	.934	.344	73.3	67.0	6.3	63.6	.73	72.0	75.9	NE	0.1					
10 „	.933	.358	75.2	67.2	8.0	62.9	.67	74.0	76.0	„	0.0					
11 „	.924	.405	78.6	66.6	12.0	59.7	.54	75.7	76.1	„	0.0	None.				
Noon.	.892	.230	79.0	71.0	8.0	67.1	.68	78.6	76.3	NNW	0.2					
1 p. m.	.860	.206	83.0	72.0	11.0	66.7	.59	78.7	76.5	W	0.2		+	2		0.24
2 „	.836	.261	83.6	70.0	13.6	62.8	.52	79.5	76.6	„	0.2					
3 „	.828	.088	85.4	75.0	10.4	70.5	.62	80.7	77.0	„	0.4		+	4	4	2.10
4 „	.825	.086	84.8	74.8	10.0	70.5	.64	81.0	77.0	„	0.1					
5 „	.825	.095	82.8	74.0	8.8	70.1	.67	80.0	77.2	„	0.3		+	4	4	Above 10m.
6 „	.843	.074	79.3	74.0	5.3	71.7	.79	79.0	77.2	WNW	0.4		+	2		Above 10m.
7 „	.867	.081	77.7	74.0	3.7	72.4	.85	77.4	77.3	NW b W	0.3					
8 „	.887	.156	76.0	72.0	4.0	70.2	.83	76.0	77.3	NW	0.2					
9 „	.908	.320	74.0	67.2	6.8	63.5	.71	74.9	77.3	„	0.2					
10 „	.907	.374	72.6	65.0	7.6	60.5	.68	73.5	77.2	N b W	0.0					
11 „	.907	.221	73.6	70.0	3.6	68.2	.84	74.0	77.2	„	0.0					
Feb. 2nd-Midnight	.897	.231	73.3	69.3	4.0	67.3	.82	74.0	77.2	N b W	0.0					
1 a. m.	.876	.304	72.0	66.0	6.0	62.7	.74	73.0	77.1	„	0.0					
2 „	.862	.254	71.6	67.0	4.6	64.5	.80	72.3	77.0	„	0.0					
3 „	.849	.265	71.2	66.1	5.1	63.3	.77	72.0	77.0	„	0.0					
4 „	.848	.178	72.0	69.0	3.0	67.5	.87	72.8	76.9	„	0.0					
5 „	.858	.163	70.4	66.0	4.4	63.6	.80	71.5	76.7	„	0.0	None.	None.	None.	None.	None.
6 „	.884	.260	70.2	67.0	3.2	65.3	.85	71.0	76.5	N	0.2					
7 „	.906	.312	70.0	66.0	4.0	63.8	.82	71.0	76.5	„	0.0					
8 „	.934	.314	72.0	67.5	4.5	65.1	.80	72.0	76.5	„	0.0					
9 „	.960	.360	75.4	68.0	7.4	64.1	.69	74.4	76.6	„	0.1					
10 „	.956	.370	77.2	68.2	9.0	63.4	.64	75.0	76.7	„	0.1					
11 „	.942	.326	80.0	70.0	10.0	64.9	.62	77.0	76.9	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
3	C	≀ scattered about; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°0 and 83°0.
3	R	" "	
0	R	A few light ≀ scattered about; dew falling.	
0	R	A few ≀ along E hor; dew falling.	
0	R	Cloudless; dew falling.	
0	B	A few ≀ along E hor; dew falling.	
0	B	" "	
1	B	≀ scattered along E hor; mist around hor.	
0	B	A few ≀ along E hor; mist around hor.	
0	C	Mist along W hor; fog along E hor.	
0	C	Mist in hor.	
0	C	Cloudless, except mist along W hor.	
0	C	Cloudless.	
0	R	A few ≀ along E hor.	
1	R	Light ≀ scattered about E hor.	
2	R	" "	
6	R	≀ scattered about, moving E.	
6	B	≀ scattered about; haze along E hor.	
7	B	" "	
4	B	≀ scattered about.	
2	B	" "	
2	C	≀ scattered about hor.	
2	C	≀ scattered about hor; dew falling.	
2	C	≀ scattered along E hor; dew falling.	
4	C	≀ scattered about; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°0 and 83°0.
3	R	" "	
1	R	≀ scattered along E hor; dew falling.	
1	R	" "	
1	R	" "	
1	B	" "	
4	B	≀ scattered about.	
7	R	≀ scattered throughout; mist in hor.	
6	B	≀ scattered about; mist in hor.	
4	C	≀ scattered about hor; mist and haze around hor.	
5	C	" " "	
4	C	≀ scattered about hor.	
3	C	" "	
3	R	" "	
2	R	" "	
3	R	" "	
2	R	" "	
3	R	" "	
8	R	≀ scattered thoughout, moving ENE.	
0	R	Cloudless, except in hor.	
0	R	Cloudless; dew falling.	
0	B	" "	
0	B	" "	
0	B	" "	
1	B	≀ scattered along E hor; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°0 and 83°0.
1	C	" " "	
0	C	A few ≀ along E hor; dew falling.	
3	C	≀ scattered about; dew falling.	
2	C	≀ scattered about; dew falling.	
2	R	" "	
3	R	≀ scattered about.	
5	R	≀ scattered about; mist along W hor.	
4	R	" "	
4	B	" "	
3	B	" "	
3	B	≀ scattered about hor; mist in W hor.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 Inch in the Ground.	Ground Thermometers. Thermometer 9 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds during last three effects of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 2nd-Noon.	29.908	29.304	84°2	71°0	13°2	64°3	0.53	79°2	77°0	N	0.1					
1 p. m.	.846	.178	85.0	73.0	12.0	67.4	.57	80.6	77.2	NW	0.1					
2 „	.817	.178	84.4	72.0	12.4	66.0	.55	80.5	77.4	„	0.3					
3 „	.797	.023	84·8	75.7	9.1	71.9	.67	81.0	77.5	NW b W	0.4					
4 „	.795	.040	84.0	75.0	9.0	71.2	.67	81.0	77.6	WNW	0.3	None.	None.	None.	None.	None.
5 „	.797	.074	81.8	73.5	8.3	69.8	.68	79.8	77.7	NW b W	0.3					
6 „	.812	.056	78·8	73.5	5.3	71.2	.79	78.0	77.6	NW	0.5					
7 „	.835	.068	77·4	73.4	4.0	71.6	.83	77.2	77.6	„	0.4					
8 „	.854	.074	76.6	73.5	3.1	72.2	.87	76.6	77.7	„	0.1					
9 „	.885	.110	75.4	73.0	2.4	72.0	.90	75.8	77.7	„	0.0					
10 „	.888	.170	73.9	71.0	2.9	69.6	.87	75.0	77.7	„	0.0					
11 „	.878	.157	73.6	71.0	2.6	69.7	.89	74.4	77.7	„	0.0					
Feb. 4th-Midnight	.893	.222	72·6	69.2	3.4	67.5	.85	73.2	77.6	NW b N	0.0					
1 a. m.	.872	.191	71.0	69.0	2.0	68.0	.91	72.0	77.5	„	0.0					
2 „	.860	.193	70.5	68.4	2.1	67.3	.90	71.8	77.4	NW	0.0					
3 „	.850	.261	69.9	65.8	4.1	63.5	.81	71.1	77.2	N	0.1					
4 „	.848	.247	69·4	66.0	3.4	64.2	.84	70.8	77.0	„	0.2					
5 „	.853	.223	69.6	67.0	2.6	65.6	.88	70.5	77.0	„	0.3					
6 „	.869	.235	69.3	67.0	2.3	65.8	.89	70.3	77.0	„	0.2					
7 „	.901	.262	68.8	67.0	1.8	66.0	.92	70.0	76.9	„	0.1					
8 „	.929	.374	70.6	65.0	5.6	61.8	.75	71.0	76.9	N b E	0.1					
9 „	.961	.315	74.2	69.0	5·2	66.4	.78	73.0	76.9	N b W	0.2					
10 „	.960	.311	77.0	70.0	7.0	66.5	.71	75.0	77.0	„	0·1					
11 „	.954	.345	78.2	69.2	9.0	64·6	.64	75.8	77·0	„	0.1	None.	None.	None.	None.	None.
Noon.	.918	.269	80.2	71.0	9.2	66.5	.64	77.0	77.1	„	0.2					
1 p. m.	.873	.218	80.7	71.3	9.4	66.8	·64	78.0	77.2	NW	0.4					
2 „	.843	.176	80.8	72·0	8.8	67.3	.66	78.3	77.4	„	0.3					
3 „	.831	.134	80.8	72.4	8.4	68.7	.68	78.7	77.5	„	0·5					
4 „	.824	.148	80.0	72.0	8.0	67.8	.69	78·1	77.6	„	0.7					
5 „	.821	.087	78.1	72.7	5.4	70.3	.78	77.4	77.6	„	0.7					
6 „	.830	.124	75.0	71.0	4.0	69.1	.83	75.5	77.5	„	0.8					
7 „	.848	.141	74.0	70.7	3.3	69.1	.86	74.5	77.5	NW b N	0.7					
8 „	.866	.214	73.6	69.0	4·6	66.6	.80	74.0	77.5	„	0.8					
9 „	.888	.236	73.6	69.0	4.6	66.6	.80	74.0	77.5	NW	0.6					
10 „	.893	.232	73·1	69.1	4.0	67.1	.82	73.8	77.5	„	0.2					
11 „	.883	.212	72.6	69.2	3.4	67.5	.85	73.3	77.5	„	0.2					
Feb. 5th-Midnight	.871	.183	72.0	69.5	2.5	68.3	.89	73.0	77.5	NW	0.2					
1 a. m.	.852	.176	71.2	68.9	2·3	67.8	.90	72.2	77.4	„	0.0					
2 „	.836	.155	71.0	69.0	2.0	68.0	·91	72.2	77.3	„	0.4					
3 „	.831	.161	70.8	68.6	2.2	67.5	.90	71·9	77.2	„	0.4					
4 „	.826	.167	70.0	68.0	2.0	67.0	.91	71.1	77.1	„	0.1					
5 „	.833	.165	69.2	68.0	1.2	67.4	.94	70.5	77.0	NNW	0.2					
6 „	.851	.179	68.8	68.0	0.8	67.6	·96	70.1	76.9	„	0.1					
7 „	.883	.224	68.5	67.5	1.0	67.0	.95	70.0	76.7	„	0.2					
8 „	·905	.270	70.4	67.4	3.0	65.8	.86	71.0	76.7	„	0.1					
9 „	.936	.267	73.7	69.5	4.2	67.4	.82	73.0	76.7	„	0.1					
10 „	.941	.306	76.8	69.5	7.3	65.8	.70	75.0	76.9	„	0.2					
11 „	·928	·252	78.4	71.2	7.2	67.8	.71	76.0	77.0	NW	0.8	None.	None.	None.	None.	None.
Noon.	.906	.278	79.6	70.2	9.4	65.5	.64	77.0	77.0	NW b W	1.0					
1 p. m.	.862	.280	80.0	69.0	11.0	63.2	.58	77.5	77.1	NW	1.4					
2 „	.833	.246	81.0	69.5	11.5	63·4	.57	78.0	77.2	„	1.5					
3 „	.822	.237	81.2	69.5	11.7	63.3	.56	78.5	77.4	„	1.0					
4 „	.816	.275	80·7	68.0	12.7	61.0	.53	78.0	77.5	„	0.7					
5 „	.815	.183	78.5	70.0	8.5	65.7	.67	77.2	77.5	„	0.8					
6 „	.822	.170	75.2	69.5	5.7	66.6	.76	75.2	77.4	„	0.6					
7 „	.849	·188	74.4	69.5	4.9	67.1	.79	74.5	77.3	„	0.8					
8 „	.873	.222	73.7	69·0	4.7	66.6	.80	74.0	77.3	„	0.7					
9 „	.901	.270	73.1	68.2	4.9	65.6	.79	73·5	77.3	„	0.4					
10 „	.902	.281	71.6	68.0	3.6	62·1	.84	73.0	77.3	„	0.0					
11 „	.899	.235	71.0	68.5	2.5	67.2	.89	72.5	77.3	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌒≤ cirro-strati; ⌒⌒ cumulo-strati; and ≤≤≤ nimbi.	
3	B	≤ scattered about hor; mist in W hor.	
3	C	≤ scattered about hor.	
2	G	" "	
2	C	≤ scattered along E hor.	
2	C	" "	
2	R	" "	
6	R	≤ scattered about.	
0	R	Clear, except in hor.	
0	R	Cloudless; dew falling.	
0	R	" "	
0	R	" "	
0	R	" "	
0	B	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°0 and 83°0. This was the 2nd cloudless day during the year.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	" "	
0	R	" "	
0	R	Mist and haze around hor.	
0	R	" "	
0	B	" "	
0	B	Clouldless.	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	Cloudless; dew falling.	
0	B	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°1 and 83°0.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	" "	
1	R	≤ scattered from NE to S hor; dew falling.	
0	R	Mist in hor.	
0	R	"	
0	B	"	
0	B	Mist in N hor.	
0	B	Cloudless.	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	Mist around hor.	
0	R	Cloudless.	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	"	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 6th-Midnight	29.892	29.199	71·5	69·5	2·0	68·5	0.91	72·8	77·2	NW	0.1					
1 a. m.	.860	.203	70.2	68.0	2.2	66·9	.90	71.7	77.1	„	0.0					
2 „	.834	.168	69.4	68.0	1.4	67.3	.93	71.0	77.0	„	0.0					
3 „	.828	.158	69.0	68.0	1.0	67.5	.95	70·6	77.0	„	0.0					
4 „	.829	.159	69.0	68.0	1.0	67.5	.95	70.6	76.9	„	0.0					
5 „	.841	.180	68.6	67.6	1.0	67.1	.95	70.0	76.7	NW b N	0.0					
6 „	.844	.228	68.0	66.0	2.0	64.9	.91	69.5	76.6	NNW	0.1					
7 „	.872	.279	67.2	65.0	2.2	63.8	.90	69.0	76.5	„	0.1					
8 „	.904	.288	69.5	66.5	3.0	64.9	.86	70.0	76.5	„	0.1					
9 „	.933	.328	72.5	67.2	5.3	64.4	.77	72.1	76.5	N	0.2					
10 „	.937	.300	75.0	69.0	6.0	65.9	.75	73.9	76.6	„	0.1	None.	None.	None.	None.	None.
11 „	.923	.278	77.4	70.0	7.4	66.4	.70	75.2	76.6	NW b N	0.2					
Noon.	.896	.232	78.8	71.0	7.8	67.2	.69	76.2	76.8	NW	0.2					
1 p. m.	.856	.191	79.4	71.2	8.2	67.2	.68	77.0	76.8	„	0.4					
2 „	.836	.181	79.6	71.0	8.6	66.8	.66	77.1	76.9	„	0.7					
3 „	.824	.164	79.2	71.0	8.2	67.0	.68	77.2	77.0	„	0.7					
4 „	.820	.147	78.0	71.0	7.0	67.6	.71	76.9	77.1	„	0.6					
5 „	.830	.168	76.7	70.0	6.7	66.6	.73	76.0	77.1	„	0.7					
6 „	.834	.182	73.6	69.0	4.6	66.6	.80	74.0	77.0	NW b N	0.7					
7 „	.860	.214	72.4	68.4	4.0	66·4	.82	73.0	77.0	NW	0.5					
8 „	.875	.238	72.0	68.0	4.0	65.9	.82	72.9	77.0	„	0.7					
9 „	.903	.292	71.9	67.2	4.7	64.7	.80	72.5	77.0	„	0.3					
10 „	.904	.285	71.2	67.2	4.0	65.1	.82	72.3	77.0	„	0.3					
11 „	.901	.310	70.8	66.0	4.8	63.3	.80	71.6	77.0	„	0.3					
Feb. 7th-Midnight	.898	.313	70.8	66.0	4.8	63.3	.80	71.6	76.9	NW b N	0.4					
1 a. m.	.884	.287	69.6	66.0	3.6	64.0	.84	71.0	76.8	N	0.2					
2 „	.869	.265	69.0	66.0	3.0	64·3	.86	70.4	76.7	„	0.0					
3 „	.860	.291	67.5	65.0	2.5	63.5	.88	69.4	76.5	„	0.0					
4 „	.863	.257	67.6	65.6	2.0	64.4	.91	69.4	76.5	„	0.2					
5 „	.879	.258	67.5	66.0	1.5	65.2	.93	69.0	76.3	„	0.2					
6 „	.901	.253	68.0	67.0	1.0	66.5	.95	69.2	76.2	NNE	0.1					
7 „	.933	.313	67.6	66.0	1.6	65.1	.92	69.0	76.1	„	0.3					
8 „	.959	.331	69.8	67.0	2.8	65.5	.87	70.0	76.1	„	0.1					
9 „	.985	.357	72.3	68.0	4.3	65.5	.79	72.1	76.1	„	0.3					
10 „	.998	.303	76.0	71.0	5.0	68.6	.79	74.2	76.3	N b W	0.3	None.	None.	None.	None.	None.
11 „	.995	.332	77.6	70.6	7.0	67.2	.72	75.7	76.4	„	0.7					
Noon.	.971	.271	78.8	72.0	6.8	68.8	.73	76.4	76.5	NNW	0.8					
1 p. m.	.932	.236	79.2	72.0	7.2	68.6	.71	77.0	76.6	NW b N	0.6					
2 „	.905	.191	79.6	72.6	7.0	69.3	.72	77.3	76.7	„	0.8					
3 „	.895	.208	80.0	72.0	8.0	68.2	.69	77.6	76.8	NNW	1.0					
4 „	.887	.184	78.5	72.0	6.5	69.0	.74	77.6	76.9	„	1.2					
5 „	.884	.210	77.9	71.0	6.9	67.7	.72	76.7	77.0	„	1.0					
6 „	.896	.223	74.8	70.0	4.8	67.6	.79	75.0	77.0	„	0.7					
7 „	.918	.259	73.0	69.0	4.0	67.0	.82	74.0	77.0	N b W	0.6					
8 „	.941	.319	73.4	68.0	5.4	65.2	.77	73.7	77.0	NNW	0.7					
9 „	.969	.343	73.0	68.0	5.0	65.4	.78	73.3	76.9	„	0.4					
10 „	.977	.340	72·0	68.0	4.0	65.9	.82	73·0	76.9	N b W	0.2					
11 „	.972	.327	71.3	68.0	3.3	66.3	.85	72.3	76.9	„	0.2					
Feb. 8th-Midnight	.960	.323	72.0	68.0	4.0	65.9	.82	72.7	76.9	N	0.2					
1 a. m.	.936	.277	70.0	68.0	2.0	67.0	.91	71.3	76.8	„	0.1					
2 „	.918	.268	69.6	67.6	2.0	66.6	.91	71.0	76.7	„	0.0					
3 „	.911	.266	68.3	67.0	1.3	66.3	.94	70.0	76.6	„	0.0					
4 „	.912	.279	68.2	66.6	1.6	65.7	.92	69.7	76.5	„	0.0					
5 „	.917	.269	68.0	67.0	1.0	66.5	.95	6.95	76.4	N b E	0.0					
6 „	.945	.297	68.0	67.0	1.0	66.5	.95	69.2	76.3	„	0.2					
7 „	.979	.333	68.2	67.0	1.2	66.4	.90	69.4	76.2	„	0.2	None.	None.	None.	None.	None.
8 „	30.002	.414	69.1	65.5	3.6	63.5	.83	70.0	76.1	„	0.2					
9 „	.030	.457	72.5	66.2	6.3	62.7	.73	72.2	76.1	„	0.0					
10 „	.033	.431	75.2	68.0	7.2	64.2	.70	73.3	76.3	„	0.1					
11 „	.017	.357	79.2	71.0	8.2	67.0	.68	75.2	76.4	N	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌣≀ cirro-strati; ∩≀ cumulo-strati; and ⌣≀ nimbi.	
0	B	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°2 and 83°0.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
1	R	≀ scattered along E hor; dew falling.	
5	R	≀ scattered about; dew falling.	
7	R	≀ scattered throughout, moving E.	
7	R	≀ scattered throughout; mist in hor.	
7	B	≀ scattered thoughout; haze along E hor.	
7	B	" "	
7	B	" "	
7	B	≀ scattered about, moving E.	
7	C	" "	
5	C	" "	
4	C	" "	
4	C	" "	
2	R	≀ scattered around hor.	
2	R	" "	
0	R	Cloudless.	
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 79°3 and 83°1.
0	C	Cloudless; dew falling.	
0	C	" "	
0	C	" "	
1	C	Light ≀ scattered in E hor.	
1	R	Light ≀ scattered in E hor; dew falling.	
1	R	Light ≀ scattered about.	
3	R	" "	
3	R	≀ scattered about; mist in hor.	
3	B	" "	
2	B	≀ scattered about hor., except in W; haze along E hor.	
2	B	≀ scattered about hor.	
2	B	" "	
3	C	" "	
3	C	" "	
4	C	≀ scattered about, moving E.	
4	C	" "	
3	R	" "	
2	R	≀ scattered about hor.	
0	R	Cloudless, except in hor.	
0	R	" "	
0	B	" "	
0	B	" "	
0	B	Cloudless; dew falling.	
0	B	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°5 and 83°2.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	A few ≀ in E of zenith; dew falling.	
2	R	≀ scattered here and there; dew falling.	
7	R	≀ scattered throughout; mist in hor.	
5	R	≀ scattered about; mist in hor.	
4	B	" "	
4	B	" "	
3	B	≀ scattered about hor.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 8th-Noon.	29.990	29.290	80°5	72°5	8°0	68°8	0.69	77°1	76°5	NW	0.7					
1 p. m.	.940	.231	81.4	73.0	8.4	69.2	.68	78.3	76.7	NNW	1.2					
2 „	.909	.244	82.0	72.0	10.0	67.2	.62	79.0	76.8	NW b N	1·5					
3 „	.891	.242	80.2	71.0	9.2	66.5	.64	78.2	76·9	„	1.5					
4 „	.893	.275	79·8	70.0	9.8	65.0	.62	78.0	77.0	„	1.6	None.	None.	None.	None.	
5 „	.897	.276	78.0	69.5	8.5	65.2	.66	77.0	77.0	NNW	1.2					None.
6 „	.916	.267	75.5	69.5	6.0	66.5	.75	75.0	77.0	„	1·0					
7 „	.937	.296	74.6	69.0	5 6	66.1	.76	74.6	77.0	„	1.0					
8 „	.958	.316	74.5	69.0	5.5	66.2	.77	74·4	77.0	„	1.4					
9 „	.980	.360	74.5	68.3	6.2	65.1	.74	74.4	77.0	„	1.0					
10 „	.989	.456	72.6	65.0	7.6	60.5	.68	73.2	77.0	„	0.4					
11 „	.989	.460	71.6	64.5	7.1	60.3	.69	72.3	76.9	„	0.1					
Feb. 9th-Midnight	.977	.415	71.5	65.5	6.0	62.1	.74	72.3	76.9	NNW	0.1					
1 a. m.	.948	.257	73.2	70.0	3.2	68.4	.86	73.4	76.9	„	0.7					
2 „	.926	.267	72.4	68·8	3.6	67.0	·84	73.0	76.8	„	1.0					
3 „	.910	·236	71.6	69.0	2.6	67.7	.88	72.5	76.7	„	0.3					
4 „	.902	.247	70.4	68.0	2·4	66.8	.89	71.4	76.6	„	0.2					
5 „	.908	.257	69.2	67.5	1.7	66.6	.92	70.4	76.6	„	0.2					
6 „	.929	.269	69.0	67.7	1.3	67.0	.94	70.0	76.5	„	0.2					
7 „	.951	.282	69.1	68.0	1.1	67.1	.95	70.1	76.5	„	0.1					
8 „	.973	·292	71.0	69.0	2.0	68.0	.91	71.4	76.5	N	0.3					
9 „	30.004	.378	73.0	68.0	5.0	65.4	.78	72.6	76.5	„	0.3					
10 „	.002	.405	76.2	68.2	8.0	64·0	.67	74.6	76.6	NE b N	0.2					
11 „	29.987	.356	78.6	70.0	8.6	65.6	.66	76.2	76.6	NNW	0.4					
Noon.	.965	.323	79.2	70.5	8.7	66.2	.66	77.0	76.8	„	0.8	None.	None.	None.	None.	None.
1 p. m.	.919	.239	80.0	71.8	8.2	67.9	.68	77.4	76.8	„	0.8					
2 „	.891	.233	79.4	71.0	8.4	66.9	.67	77.3	76.9	„	1.0					
3 „	.875	.188	78.4	71.5	6.9	68.2	.72	76.9	77.0	„	1.5					
4 „	.867	.213	77.2	70.2	7.0	66.7	.71	76.1	76.9	„	1.4					
5 „	.878	.227	75.6	69.6	6.0	66.6	.75	75.2	76.9	„	1.5					
6 „	.884	.244	73.2	68.5	4.7	66.1	.79	74.1	76.9	„	1.4					
7 „	.892	.235	72.6	68.8	3.8	66.9	.83	73.2	76.8	„	1.0					
8 „	.913	.249	72.5	69.0	3.5	67.2	.84	73.0	76.8	N b W	1.0					
9 „	.920	.287	72.4	68.0	4.4	65.7	.80	73.0	76.8	„	1.0					
10 „	.918	.330	70.5	66.0	4.5	63.5	.80	71.6	76.8	„	0.3					
11 „	.915	.321	70·0	66.0	4.0	63.8	.82	71.2	76.7	„	0.1					
Feb. 11th-Midnight	.926	.423	71.2	63.5	7.7	58.8	.67	71.6	76.5	NW b N	0.2					
1 a. m.	.899	.327	72·0	66.0	6.0	62.7	.74	72.2	76.5	„	0.3					
2 „	.885	.336	71.2	65.0	6.2	61.4	.73	71.9	76.5	„	0.4					
3 „	.871	·306	69.6	65.0	4.6	62.3	·79	70.5	76.4	„	0.2					
4 „	.864	.285	68.3	65.0	3.3	63.0	.84	69.8	76.2	„	0.2					
5 „	.864	.262	69.3	66.0	3.3	64.2	.85	69.0	76.0	„	0.2					
6 „	.897	.319	68·5	65.0	3.5	63.0	.84	69.0	75.8	NNW	0.2					
7 „	.925	.391	67.0	63.0	4.0	60.6	.81	68.0	75.8	„	0.2					
8 „	.950	.474	68·2	61.5	6.7	57.2	.69	69.0	75.8	„	0.2					
9 „	.989	.429	73.1	66.0	7.1	62.0	.70	72.2	75.9	N b W	0.5					
10 „	.997	.465	76.2	66.2	10.0	60.5	.60	74.0	75.9	„	0.4					
11 „	.983	·443	78.4	67.2	11.2	60.9	.57	75.5	76.1	NNW	0.6					
Noon.	.962	.409	79.6	68.0	11.6	61.6	.56	76.2	76.2	„	0.3	None.		None.		
1 p. m.	.924	.348	80·5	69.0	11.5	62.9	.57	77.4	76.3	NW b N	0.6					
2 „	.899	·259	81.0	71.0	10.0	66.1	.62	78.0	76.5	„	0.5					
3 „	.881	.234	80.4	71.0	9.4	66.4	.64	78.0	76.6	„	0.6					
4 „	.873	.255	79.8	70.0	9.8	65.0	.62	77.9	76.7	„	1.0					
5 „	.869	.229	77.3	70.0	7·3	66.1	.69	76.6	76.7	„	0.6					
6 „	.888	.230	74.7	69.5	5.2	66.9	.78	74.7	76·5	„	0.6					
7 „	.906	.254	73.6	69.0	4.6	66.6	.80	74.0	76.5	„	0.7					
8 „	·927	.271	73.3	69.0	4.3	66.8	.81	73.0	76.5	„	0.2					
9 „	·940	.295	72.8	68.5	4.3	66.3	.81	73.0	76.5	„	0.2					
10 „	·955	.311	71.4	68·0	3.4	66.3	.85	72.6	76.5	„	0.0		+	1		Above 10m.
11 „	.950	.317	70.3	67.3	3.0	65·7	.86	71.9	76.5	„	0.0		+	3		3.26

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ≀ cirri ; ≀≀ cirro-cumuli ; ∩ cumuli ; ≀— cirro-strati ; ∩ cumulo-strati ; and ≀∩ nimbi.	
5	B	≀ scattered about.	
7	C	" "	
7	C	" "	
7	C	" "	
6	C	" "	
3	R	" "	
3	R	" "	
0	R	Cloudless.	
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 97°5 and 83°2.
0	C	Cloudless ; dew falling.	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	" "	
7	R	≀≀ scattered throughout, moving SE.	
8	R	≀≀ along W hor ; ≀ scattered throughout ; mist in hor.	
7	R	≀ scattered throughout ; ≀≀ along W hor ; mist around hor.	
6	B	≀ scattered throughout ; mist in hor.	
6	B	" "	
6	B	≀ scattered throughout.	
5	B	" "	
5	C	" "	
4	C	" "	
2	C	≀ scattered around hor.	
1	C	" "	
2	C	" "	
2	C	" "	
0	C	Cloudless.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 79°5 and 83°2.
0	C	"	
0	C	"	
0	C	"	
0	C	"	
1	R	≀ scattered along E hor ; dew falling.	
1	R	" "	
2	R	≀ scattered about ; mist around hor.	
3	R	" "	
3	B	≀ scattered about hor ; mist in hor.	
2	B	" "	
2	B	≀ scattered about hor.	
2	B	" "	
0	C	A few ≀ scattered along E hor.	
1	C	≀ scattered in E and W above hor.	
1	C	" "	
2	C	≀ scattered about hor.	
1	R	≀ scattered above N and W hor.	
2	R	≀ scattered here and there.	
0	R	Cloudless.	
0	R	"	
0	B	"	
0	B	Cloudless ; dew falling.	
0	B	" "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 12th-Midnight	29.942	29.309	70°3	67°3	3°0	65°7	0.86	71°6	76°5	NNW	0.2		+	1		Above 10m.
1 a. m.	.912	.237	71·0	68·8	2.2	67.7	.90	72.2	76·5	,,	0.1		+	1		Above 10m.
2 ,,	.892	.211	71.0	69.0	2.0	68.0	.91	72.0	76.4	,,	0·1		+	1		Above 10m.
3 ,,	.883	.220	70.2	68.2	2.0	67.2	.91	71.7	76.4	,,	0.3		+	1		Above 10m.
4 ,,	.887	·228	70.0	68.0	2.0	67.0	.91	71.4	76.3	,,	0.1					
5 ,,	.889	·252	69.0	67.0	2.0	65.9	.91	70.0	76.2	,,	0.1					
6 ,,	.911	·267	68.4	67.0	1.4	66.3	.93	70.0	76.1	,,	0.1					
7 ,,	.941	·325	68.0	66.0	2.0	64.9	.91	69.5	76.0	,,	0.1					
8 ,,	.959	·319	70.2	67.5	2.7	66.1	.88	70.7	76.0	N b W	0.2					
9 ,,	.989	.307	74·0	70.0	4.0	68.0	.83	73·1	76.1	,,	0.3					
10 ,,	.997	.337	76.0	70.0	6.0	67.0	.75	74.3	76.3	N	0.5					
11 ,,	·987	·307	77.4	71.0	6.4	67.9	.73	75.5	76.3	N b W	0.8	None.			None.	
Noon.	.956	·268	78.6	71.6	7.0	68.3	.72	76.5	76.5	NNW	1.0		+	1		Above 10m.
1 p. m.	.914	·284	78.7	70.0	8.7	65.6	.66	76.7	76·6	NW b N	1.5					
2 ,,	.890	.261	78.8	70.0	8.8	65.5	.65	76.8	76.7	,,	1.5					
3 ,,	·875	.238	79·4	70.4	9.0	65.9	.65	77.0	76.7	,,	1.5					
4 ,,	·868	.225	77.5	70.0	7.5	66.2	.67	76·3	76.7	,,	1.5					
5 ,,	.867	.203	75.6	70.0	5.6	67.2	.77	76.1	76.7	,,	1·4					
6 ,,	.873	.216	73.2	69.0	4.2	66.9	.82	73.6	76.7	,,	1.0					
7 ,,	·893	·256	72.0	68.0	4.0	65.9	.82	73.0	76.6	,,	1.0					
8 ,,	.914	.277	72.0	68.0	4.0	65.9	.82	72·5	76.5	,,	1.0					
9 ,,	·950	·362	72.0	66.5	5.5	63.5	.76	72.5	76.5	,,	0.7					
10 ,,	.950	.346	72.0	67.0	5.0	64.3	.78	72·5	76.5	NNW	0.4					
11 ,,	·950	.332	70.7	67.0	3.7	65.0	.83	71.5	76.5	,,	0.1					
Feb. 13th-Midnight	.949	.323	70.0	67.0	3.0	65.4	.86	71.0	76.4	NNW	0.1					
1 a. m.	.919	.310	69.2	66.2	3.0	64.6	.86	70·4	76.3	,,	0.1					
2 ,,	.905	.275	69.6	67.0	2.6	65.6	.88	70·7	76.3	,,	0.2					
3 ,,	.904	.303	68.2	65.6	2.6	64.2	.88	69·6	76.2	N b W	0.2					
4 ,,	.887	.273	68.2	66.0	2.2	64.8	.90	69.5	76.1	,,	0.1					
5 ,,	.881	.267	68.2	66.0	2.2	64.8	.90	69·5	76.0	,,	0.1					
6 ,,	.899	.300	67.2	65.2	1.0	64.1	.90	69·0	75.9	,,	0.1					
7 ,,	.930	.305	67.2	66.0	1.2	65.4	.94	68.7	75.8	,,	0.2					
8 ,,	.943	.284	70.0	68.0	2.0	67.0	.91	70.0	75.7	,,	0.2					
9 ,,	.966	.306	73.6	69.2	4.4	67.0	.81	72.3	75.7	,,	0.2					
10 ,,	.974	.307	75.4	70.0	5.4	67.3	.77	74·0	75.9	NNW	0.7					
11 ,,	.957	.273	77.0	71.0	6.0	68.1	.75	75.2	76·0	,,	0.7	None.			None.	
Noon.	.936	.298	78.0	70.0	8.0	66.0	.68	76.0	76.1	NW b N	1.0					
1 p. m.	.895	.243	78.6	70.6	8.0	66.6	.68	76.6	76.3	NW	1.5					
2 ,,	.872	.172	78.8	72.0	6.8	68.8	.73	76.9	76.4	,,	1.5					
3 ,,	.864	.164	78.8	72.0	6.8	68.8	.73	77.0	76.5	,,	1.2					
4 ,,	.861	.225	77.0	69.6	7.4	65.9	.70	76.0	76.6	,,	1.3					
5 ,,	.858	.238	75.0	68.5	6.5	65.1	.73	75.5	76.5	,,	1·3					
6 ,,	.866	.233	72.4	68.0	4.4	65.7	.81	73.0	76.5	,,	0.8					
7 ,,	.892	·268	71.4	67.4	4.0	65.3	.82	72.0	76.4	,,	0.7					
8 ,,	.914	.299	71.0	67.0	4.0	64.9	.82	72.0	76.4	,,	1.0					
9 ,,	.946	.359	71.2	66.2	5.0	63.4	.78	72.0	76.4	,,	0.8					
10 ,,	.949	.382	71.0	65·5	5.5	62.4	.76	71.7	76.4	,,	0.3					
11 ,,	.947	.364	71.0	66.0	5.0	63.2	·78	71.5	76.4	,,	0.0		+	2		Above 10m.
Feb. 14th-Midnight	·936	.338	69.6	66.0	3.6	64.0	.84	70.3	76.3	NW	0.0		+	3		3.12
1 a. m.	.909	.279	69.6	67.0	2.6	65.6	.88	70·3	76.2	,,	0.0		+	3		4.00
2 ,,	.897	.292	69.0	66.0	3.0	64.4	.86	70.0	76.1	,,	0.0					
3 ,,	.886	.294	68.1	65.3	2.8	63.7	·87	69.5	76·0	,,	0.0					
4 ,,	.883	.268	68.1	66.0	2.1	64·9	.90	69.5	76.0	,,	0·0	None.			None.	
5 ,,	.887	.271	68.0	66.0	2.0	64.9	.90	69.0	75.8	,,	0.0					
6 ,,	.911	.263	68.0	67.0	1.0	66.5	.95	69.0	75.6	,,	0.0					
7 ,,	.942	.289	69.0	67.5	1.5	66.7	.93	70·0	75.6	,,	0.0					
8 ,,	.961	.323	71.0	67.7	3.3	66.0	·85	71.0	75.7	,,	0.0					
9 ,,	30.001	.369	73.0	68.2	4.8	65.7	.79	72.2	75.7	,,	0.1					
10 ,,	29.997	.372	76.1	69.0	7.1	65.4	.71	74.1	75.8	,,	0.3					
11 ,,	.994	.387	77.2	68.8	8.4	64.5	.66	75.1	75.9	,,	0.7		+	1		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ≀∿ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ≀∿ nimbi.	
0	B	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°6 and 83°2.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	" "	
1	R	∿ scattered here and there.	
2	R	∿ scattered about; mist around hor.	
6	R	∿ scattered throughout; mist around hor.	
6	B	" " "	
6	B	∿ scattered throughout.	
6	B	" "	
6	B	" "	
6	C	∿ scattered about, moving E.	
6	C	" "	
5	C	" "	
4	C	" "	
5	R	" "	
4	R	" "	
0	R	Cloudless.	
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless; dew falling	Mean daily temperature of ground 20 and 60 inches below its surface 79°6 and 83°2.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	" "	
0	R	A few ∿ in E hor; dew falling.	
0	R	Mist around hor.	
0	R	"	
0	B	"	
0	B	"	
0	B	Cloudless.	
0	B	"	
0	C	"	
0	C	A few patches of ≀∿ in W hor.	
1	C	Pieces of ≀∿ scattered here and there, moving ESE.	
0	C	Pieces of ≀∿ in hor. from E to SW.	
0	R	Cloudless.	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°4 and 83°1.
0	C	" "	
1	C	≀∿ scattered about hor. from SE to NW, moving SE; dew falling.	
1	C	" " "	
2	C	≀∿ scattered around hor., moving SE; dew falling	
0	R	A few pieces of ≀∿ in E hor; dew falling.	
0	R	" " "	
5	R	≀∿ scattered about, moving ESE.	
1	R	≀∿ scattered along W hor.	
2	B	≀∿ scattered along W hor., moving SE; light mist in hor.	
2	B	" " "	
1	B	≀∿ scattered around hor.	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 0 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	In.		Sc. div.	Sc. div.	m. s.
Feb. 14th-Noon	29.964	29.326	78°0	70°0	8°0	66°0	0.68	75°6	76°0	NW	0.7		+	1		Above 10m.
1 p. m.	.914	.257	78.8	70.8	8.0	66.9	.68	76.4	76.1	,,	0.5		+	2		Above 10m.
2 ,,	.887	.232	79.6	71.0	8.6	66.8	.66	77.0	76.2	,,	0.6		+	2		Above 10m.
3 ,,	.866	.228	79.0	70.6	8.4	66.5	.67	77.0	76.4	,,	0.7		+	1		Above 10m.
4 ,,	.862	.207	78.0	70.5	7.5	66.8	.70	76.5	76.5	,,	1.2					
5 ,,	.866	.275	76°2	68·0	8.2	63.6	.67	75.2	76.5	,,	1.0	None.			None.	
6 ,,	.875	.315	74.6	66.5	8.1	62.0	.67	74.0	76.5	,,	0.8					
7 ,,	.880	.300	74.2	67.0	7.2	63.1	.70	74.0	76.5	NW b N	0.8	None.			None.	
8 ,,	.900	.316	73.8	67.0	6.8	63.3	.71	73·5	76.5	NNW	0.6					
9 ,,	.919	.358	73.0	66.0	7.0	62·1	.70	73.0	76.5	,,	0.1					
10 ,,	·920	.375	71.5	65.0	6.5	61.2	.72	72.2	76.5	,,	0.0					
11 ,,	.910	.439	70.0	62.0	8.0	56.9	.64	71.2	76.4	,,	0.0					
Feb. 15th-Midnight	·903	.432	70.0	62.0	8.0	56.8	.64	71.0	76.4	NNW	0.0					
1 a. m.	.873	.311	70.0	65.0	5.0	62.1	.77	70.8	76.4	,,	0.0					
2 ,,	.853	.333	71.0	64·0	7.0	59.8	.69	71.2	76·4	,,	0.0					
3 ,,	.851	.410	70.0	61.0	9.0	54.9	.61	70.3	76·2	,,	0.2					
4 ,,	.849	.313	68 2	63.5	4.7	60.7	.78	69.1	76·0	,,	0.1					
5 ,,	·857	.494	66.8	57.0	9.8	49.2	.56	68.0	75.8	N b W	0.1					
6 ,,	.864	.521	66.2	56.0	10.2	47.5	.53	67.0	75.5	,,	0.1					
7 ,,	.901	.596	67.0	55.7	11.3	45.9	.50	67.5	75.5	,,	0.1					
8 ,,	·918	.604	69.6	56.4	13.2	44·9	.45	69.0	75.5	,,	0.1					
9 ,,	.944	.625	73.2	58.0	15.2	45.4	.40	71.5	75.5	,,	0.2					
10 ,,	·951	.585	77.3	61.2	16.1	49.4	.40	74.0	75.6	,,	0.1					
11 ,,	.935	.490	79.2	64.5	14.7	55.2	·46	75.3	75.6	,,	0.2	None.			None.	
Noon.	·910	.459	80.0	65.0	15.0	55.5	.45	76.2	75.7	NNW	0.5		+	1		Above 10m.
1 p. m.	.865	.360	81.0	67.0	14.0	58.9	.49	77.3	75.9	NW b N	0.4	None.	+	1	None.	Above 10m.
2 ,,	.838	.241	81.6	70.0	11.6	64.0	.57	78.2	76.0	,,	0.5		+	2		Above 10m.
3 ,,	.820	.180	81.0	71.0	10·0	66.1	.62	78.5	76.1	,,	0·3		+	1		Above 10m.
4 ,,	.814	.167	80.4	71.0	9.4	66.4	.64	78.1	76.3	,,	0.7		+	2		Above 10m.
5 ,,	.811	.188	78.4	69.7	8.7	65.3	.65	77·0	76.3	,,	0.8		+	2		Above 10m.
6 ,,	.821	.227	75.9	68.0	7.9	63.8	.68	75.6	76.3	,,	0.6		+	2		Above 10m.
7 ,,	.839	.235	75.0	68.0	7.0	64.3	.71	75.0	76.2	NNW	0.4					
8 ,,	.861	.222	74.8	69.0	5.8	66.0	.75	74.5	76·3	,,	1·0					
9 ,,	.887	.271	74.5	68.2	6·3	64.9	.73	74.5	76.5	,,	1.0					
10 ,,	.889	.301	73.6	67.0	6.6	63.4	.71	74.0	76.5	,,	0.6					
11 ,,	.891	.321	72.2	66.0	6.2	62.0	.73	73.2	76.5	,,	0.3					
Feb. 16th-Midnight	.884	.312	72.0	66.0	6·0	62·7	.74	73.0	76.4	NW	0·2					
1 a. m.	.851	.264	71.2	66.2	5.0	63.4	·78	72.1	76.3	,,	0.1					
2 ,,	.836	.248	70.8	66.1	4·7	63.5	.79	72·0	76.3	,,	0.0					
3 ,,	.831	.269	70.0	65.0	5.0	62·1	.78	71.1	76.3	,,	0.0					
4 ,,	.833	.297	69.5	64·0	5·5	60.7	.75	70.7	76·2	,,	0.0					
5 ,,	.837	.351	68.6	62.0	6.6	57.8	.70	70.0	76.0	,,	0.0					
6 ,,	.855	.252	69.2	66.0	3.2	64.3	.85	70.0	76.0	,,	0.0		+	1		Above 10m.
7 ,,	.879	.289	70.4	66.0	4.4	63.6	.80	70.7	76.0	,,	0.1					
8 ,,	.902	.366	72·4	65.0	7.4	60.7	.68	72.0	76.0	N b E	0.3					
9 ,,	.940	.386	75·1	66.5	8.6	61.7	.65	74.0	76.0	,,	0.1		+	1		Above 10m.
10 ,,	.938	.417	78.1	66·5	11.6	59.9	.55	75·3	76.1	N	0.1		+	2		Above 10m.
11 ,,	.930	.367	80.2	68.5	11.7	62.2	.57	77.0	76.2	,,	0.1		+	2		Above 10m.
Noon.	.905	.340	83.0	69.5	13.5	62.3	.51	78.3	76.5	,,	0.2	None.	+	3		Above 10m.
1 p. m.	.862	.241	83.3	71.2	12.1	65.2	.56	78.6	76.6	NNW	0.3		+	11	11	Above 10m.
2 ,,	.834	·191	83·0	71.7	11.3	66.2	.58	80.0	76·8	NW b N	0.2		+	7	7	Above 10m.
3 ,,	.817	.149	83.0	72.4	10.6	67.4	.61	80.0	76.8	NW	0.3		+	11	9	Above 10m.
4 ,,	.814	.083	81.4	73.6	7.8	70.2	.70	79.6	76·9	,,	0.4		+	15	13	3.15
5 ,,	.830	.143	80.0	72.0	8·0	68.2	.67	78.5	77.0	,,	0.8		+	20	18	1.00
6 ,,	.836	.148	76.6	71·0	5·6	68·3	.77	76.6	77.0	NW b N	0.4		+	3		2.28
7 ,,	.850	.182	75.3	70·0	5.3	67.4	.77	75.8	77.0	,,	0.1		+	1		Above 10m.
8 ,,	.875	.199	74.5	70·0	4.5	67.8	.81	75.2	77.0	,,	0.1					
9 ,,	.890	.225	74.0	69·5	4.5	67.2	.81	74.5	77.0	NW	0.1					
10 ,,	.892	.275	72.6	67·6	5.0	65.0	.78	73.1	77.0	,,	0.0					
11 ,,	.890	.282	71.6	67·0	4.6	64.5	.80	72.6	77.0	,,	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀⌣ nimbi.	
0	B	A few pieces of ≀≀ scattered around hor.	
0	C	,, ,, ,,	
0	C	Cloudless.	
0	C	,,	
0	C	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 79°4 and 83°0.
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	R	Mist in hor.	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	Mist in NE hor.	
0	C	Cloudless.	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 79°3 and 83°0. This was the 3rd cloudless day during the year.
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	,,	
0	R	,,	
0	R	Mist in hor.	
0	R	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	C	Cloudless.	
0	C	,,	
0	C	,,	
0	C	,,	
0	B	Haze along the E hor.	
0	B	,, ,,	
0	B	,, ,,	
0	B	Cloudless.	
0	B	,,	
0	B	,,	
0	B	,,	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Corrected for Moisture.	Thermometers. In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in the recovering tension after discharge.
	in.	in.	°	°	°	°		°	°		lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 18th-Midnight	29.912	29.326	72.1	66.5	5.7	63.4	0.75	73.1	77.1	NNW	0.1					
1 a m.	.885	.384	70.0	63.0	7.0	58.7	.69	71.7	77.0	„	0.1				10	
2 „	.866	.436	69.4	60.4	9.0	54.1	.60	71.0	76.9	„	0.0				20	
3 „	.862	.333	70.2	64.0	6.2	60.3	.72	71.4	76.7	„	0.1					
4 „	.870	.388	69.0	62.0	7.0	57.5	.69	70.3	76.6	„	0.1					
5 „	.879	.506	68.4	58.0	10.4	50.0	.54	69.5	76.5	„	0.1					
6 „	.901	.474	68.6	60.0	8.6	53.9	.62	69.1	76.4	„	0.1					
7 „	.935	.427	69.4	63.0	6.4	59.1	.71	69.3	76.3	„	0.1		+	1		Above 10m.
8 „	.959	.521	73.0	62.0	11.0	54.7	.55	72.0	76.3	„	0.1		+	1		Above 10m.
9 „	.991	.609	78.0	62.0	16.0	50.7	.41	75.1	76.3	N b E	0.1					
10 „	.999	.627	81.8	63.1	18.7	49.9	.34	78.2	76.5	„	0.1					
11 „	.973	.589	86.0	65.0	21.0	50.8	.32	81.5	76.7	„	0.2	None.				
Noon.	.945	.485	88.0	68.0	20.0	56.2	.36	83.4	77.0	NNW	0.2					
1 p. m.	.890	.325	88.1	71.1	17.0	62.5	.44	83.7	77.2	„	0.4		+	1		Above 10m.
2 „	.872	.278	86.4	71.4	15.0	63.8	.48	83.0	77.4	NW b N	0.6		+	1		Above 10m.
3 „	.854	.252	85.4	71.3	14.1	64.2	.51	82.4	77.5	„	0.5		+	1		Above 10m.
4 „	.849	.259	83.6	70.4	13.2	63.6	.53	81.4	77.7	NNW	0.4		+	4	3	3.18
5 „	.855	.291	81.6	69.0	12.6	62.2	.54	80.0	77.6	„	1.0		+	3		Above 10m.
6 „	.868	.289	78.8	68.5	10.3	63.0	.60	78.3	77.7	„	0.8		+	4	3	Above 10m.
7 „	.885	.281	78.0	69.0	9.0	64.3	.64	77.6	77.7	„	0.8		+	5	4	Above 10m.
8 „	.905	.273	77.0	69.5	7.5	65.8	.70	77.0	77.6	„	1.0		+	20	20	0.01
9 „	.933	.303	76.3	69.2	7.1	65.6	.71	76.2	77.6	„	0.7		+	Out of Sc.	30	0.26
10 „	.937	.322	74.0	68.0	6.0	64.9	.74	74.8	77.6	N b W	0.2		+	12	10	0.20
11 „	.936	.371	73.2	66.2	7.0	62.3	.70	74.2	77.6	„	0.1		+	12	10	0.30
Feb. 19th-Midnight	.930	.451	72.0	63.0	9.0	57.3	.62	73.0	77.6	N b W	0.1		+	12	10	1.18
1 a. m.	.903	.436	70.4	62.0	8.4	56.6	.63	71.9	77.5	„	0.0		+	12	10	4.23
2 „	.899	.405	71.2	63.2	8.0	58.3	.65	72.2	77.4	„	0.0		+	25	23	0.18
3 „	.899	.402	70.4	63.0	7.4	58.4	.67	71.1	77.4	„	0.0		+	Out of Sc.	25	
4 „	.905	.408	70.4	63.0	7.4	58.4	.67	71.0	77.3	„	0.1		+	12	10	0.37
5 „	.910	.450	72.4	62.5	9.9	56.2	.58	72.0	77.1	NNE	0.1		+	1		2.20
6 „	.947	.504	69.8	61.0	8.8	55.0	.62	69.6	77.0	„	0.1		+	12	12	Above 10m.
7 „	.977	.556	70.5	60.5	10.0	53.5	.57	71.0	77.0	„	0.1					1.00
8 „	30.009	.593	75.0	62.0	13.0	53.2	.49	74.0	76.9	„	0.2					
9 „	.039	.576	79.6	65.2	14.4	56.3	.47	77.1	77.0	„	0.1					
10 „	.034	.645	83.0	64.1	18.9	51.2	.35	80.0	77.1	„	0.3					
11 „	.016	.622	88.2	66.0	22.2	51.6	.31	83.6	77.5	„	0.2	None.				
Noon.	29.986	.581	93.0	68.0	25.0	52.4	.26	87.0	77.9	„	0.1					
1 p. m.	.936	.560	96.2	68.2	28.0	50.2	.23	89.0	78.3	„	0.2					
2 „	.914	.373	93.8	72.2	21.6	61.0	.36	88.0	78.5	NW b N	0.1					
3 „	.900	.222	87.5	74.0	13.5	67.8	.54	85.4	78.6	NW	0.3		+	Out of Sc.	30	0.27
4 „	.901	.226	84.4	73.0	11.4	67.7	.59	83.0	78.7	„	0.4		+	Out of Sc.	30	0.33
5 „	.893	.242	81.7	71.5	10.2	66.6	.62	80.6	78.6	„	0.5		+	7	7	Above 10m.
6 „	.907	.277	78.7	70.0	8.7	65.6	.66	79.0	78.5	„	0.4		+	20	20	0.20
7 „	.921	.319	78.2	69.0	9.2	64.2	.64	78.0	78.5	NW b N	0.8		+	4	3	Above 10m.
8 „	.938	.386	78.2	67.5	10.7	61.6	.58	78.0	78.5	NNW	1.0		+	2		Above 10m.
9 „	.962	.474	77.0	65.1	11.9	57.9	.54	77.0	78.8	N	0.3		+	2		Above 10m.
10 „	.966	.550	75.0	62.0	13.0	53.2	.49	75.8	78.6	„	0.1		+			
11 „	.955	.567	75.4	61.2	14.2	51.1	.45	75.6	78.5	„	0.1					
Feb. 20th-Midnight	.945	.495	74.6	63.0	11.6	55.5	.54	75.0	78.5	NNW	0.2		+	1		Above 10m.
1 a. m.	.922	.368	73.6	66.0	7.6	61.7	.68	74.8	78.4	„	0.0		+	2		Above 10m.
2 „	.909	.373	72.4	65.0	7.4	60.7	.68	73.6	78.3	„	0.0		+	1		Above 10m.
3 „	.902	.422	70.8	62.6	8.2	57.4	.64	72.0	78.2	„	0.0					
4 „	.901	.376	69.5	64.0	5.5	60.1	.75	71.1	78.1	„	0.0		+	Out of Sc.	30	0.46
5 „	.903	.361	71.8	65.0	6.8	61.0	.71	72.2	77.8	„	0.0	None.	+	4	3	3.10
6 „	.935	.424	71.8	64.0	7.8	59.3	.67	72.2	77.7	„	0.0		+	2		Above 10m.
7 „	.964	.403	71.6	65.5	6.1	62.1	.73	72.0	77.7	„	0.0		+	10	10	Above 10m.
8 „	.982	.445	75.2	66.0	9.2	60.8	.62	74.5	77.6	„	0.0		+	6	6	Above 10m.
9 „	30.012	.469	79.0	67.5	11.5	61.1	.56	76.5	77.8	NNE	0.2		+	1		Above 10m.
10 „	.026	.517	81.2	67.2	14.0	59.2	.49	78.6	77.8	„	0.1					
11 „	.005	.636	84.6	64.0	20.6	49.6	.32	80.6	78.0	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ∩≤ cumuli; ∪≤ cirro-strati; ∩≤ cumulo-strati; and ∨≤ nimbi.	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 79°4 and 83°0.
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	,,	
0	R	,,	
0	R	Mist in hor.	
0	R	,,	
0	B	,,	
0	B	,,	
0	B	,,	
1	B	≤ scattered along N hor; mist in hor.	
4	C	≤ scattered about; mist in hor.	
3	C	,, ,,	
3	C	≤ scattered around and about hor.	
6	C	≤ scattered about.	
4	R	,, ,,	
5	R	,, ,,	
0	R	A few ≤ scattered here and there.	
0	R	,, ,,	
0	B	,, ,,	
0	B	Cloudless.	
0	B	,,	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 79°5 and 83°0. Temperature at 1 P. M. was 96°2, being highest in the *month*; and at 9 A. M. barometer was 30·039, being highest in the month. This was the 4th cloudless day during the year.
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	,,	
0	R	,,	
0	R	Mist around hor.	
0	R	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	B	Mist in N hor.	
0	C	,, ,,	
0	C	Cloudless.	
0	C	,,	
0	C	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 79°9 and 83°0. This was the 5th cloudless day during the year.
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	,,	
0	R	,,	
0	R	Mist around hor.	
0	R	,,	
0	B	,,	
0	B	,,	
0	B	,,	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 20th-Noon.	29.976	29.572	90°0	67°0	23°0	52°3	0.29	83°5	78°2	NNE	0.1		+	1		Above 10m.
1 p. m.	.927	.412	93.3	71.3	22.0	59.5	.34	86.5	78.5	NW	0.1		+	4	3	2.55
2 „	.891	.229	89.0	74.0	15.0	67.1	.50	85.3	78.8	„	0.3		+	11	10	Above 10m.
3 „	.870	.186	87.0	74.0	13.0	68.1	.55	84.1	79.0	„	0.5		+	3		Above 10m.
4 „	.859	.148	85.2	74.2	11.0	69.3	.60	83.3	79.0	„	0.7		+	7	7	Above 10m.
5 „	.856	.103	82.5	74.5	8.0	71.1	.70	81.5	79.0	„	0.6	None.	+	2		Above 10m.
6 „	.863	.179	78.7	71.5	7.2	68·1	.71	79.0	79.0	„	0.5					
7 „	.883	.271	77.3	69.0	8.3	64.7	.67	77.8	79.0	NNW	0.4					
8 „	.912	.350	77.3	67.5	9.8	62.1	.61	77.0	79.0	„	0.2					
9 „	.939	.443	76.0	65.0	11.0	58.4	.56	76.2	79.0	„	0.1					
10 „	.940	.551	76 1	61.5	14.6	51.2	.44	76.3	79.0	„	0.2		+		1	Above 10m
11 „	.940	.486	77.0	64.0	13.0	55.7	.50	76.5	78.9	N b E	0.1		+		1	Above 10m.
Feb. 21st-Midnight	.929	.409	76.7	66.0	10.7	59.8	.58	76.5	78.9	N b E	0.0		+	3		1.08
1 a. m.	.892	.338	74.2	66.2	8.0	61.7	.67	75.0	78.7	„	0·0		+	1		Above 10m.
2 „	.867	.349	73.4	64.8	8.6	59.7	.64	74.2	78.6	„	0.0		+	1		Above 10m.
3 „	.856	.325	72.8	65·0	7.8	60.4	.67	74.0	78.5	„	0.0					
4 „	.858	.430	71.2	61.0	10.2	53.8	.57	72.8	78.4	„	0.1		+	2		Above 10m.
5 „	.876	.431	69.6	61.0	8.6	55.2	.62	71.0	78.3	„	0.1		+	2		Above 10m.
6 „	.900	.349	70.0	64.0	6.0	60.4	.73	71.5	78.1	„	0.1		+	6	5	2.40
7 „	.922	.394	71.7	64.5	7.2	60.3	.69	72.0	78.0	„	0.1		+	2		Above 10m.
8 „	.943	.410	75 5	66.0	9.5	60.5	.62	74.7	78.0	„	0.1		+	3		Above 10m.
9 „	.979	.366	77.8	69.2	8.6	64.8	.66	76.2	78.0	NNE	0.2		+	1		Above 10m.
10 „	.985	.403	80.0	69.0	11.0	63.2	.58	78.0	78.0	„	0.1		+	2		Above 10m.
11 „	.971	.432	83.3	67.3	16.0	58.0	.44	80.0	78·2	NW b N	0.3	None.	+	2		Above 10m.
Noon.	.949	.400	83.0	69.0	14.0	61.4	.56	80.2	78.3	„	0.4					
1 p. m.	.893	.310	83.6	70.2	13.4	63.2	.52	81.0	78.5	NW	0.5		+	1		Above 10m.
2 „	.881	.165	84.2	74.0	10.2	69.5	.63	81·9	78.6	WNW	0.4		+	4	3	1.28
3 „	.862	.107	84.0	75.0	9.0	71.2	.67	82.0	78.7	NW	0.5					
4 „	.862	.141	83.6	74.0	9.6	69.7	.65	81.8	78·8	„	0.3					
5 „	.864	.147	82.3	73.5	8.8	69.6	.67	80.8	79.0	„	0.3					
6 „	.875	.215	79.2	71.0	8.2	67.0	.68	79.0	79.0	„	0.4					
7 „	.900	.260	77·8	70.0	7.8	66.1	.69	78.0	79.0	„	0.2					
8 „	.930	.313	76.8	69.0	7.8	65.0	.68	77.0	79.0	„	0.4					
9 „	.954	.352	75.7	68.2	7.5	64.2	.70	76.2	79.0	„	0.2					
10 „	.955	.382	74.8	67.0	7.8	62.7	.68	75.5	79.0	„	0.0					Above 10m.
11 „	.941	.326	74.0	68.0	6.0	64.9	.74	74.8	78.8	„	0.0					Above 10m.
Feb. 22nd-Midnight	.931	.238	73.0	70.0	3.0	68·5	.87	74.0	78.6	NW	0.0		+	1		Above 10m.
1 a. m.	.895	.213	74.0	70.0	4.0	68.0	.83	74.9	78.5	„	0.0		+	1		Above 10m.
2 „	.876	.225	72.2	68.5	3.7	66.6	.84	73.8	78.5	„	0.0					
3 „	.876	.282	72.2	66.7	5.5	63.8	.76	73.4	78.4	„	0.0					
4 „	.876	.228	71.0	68.0	3·0	66.5	.86	73.4	78.3	„	0.0					
5 „	.886	.238	71.0	68·0	3.0	66.5	.86	72.0	78.3	N	0.0					
6 „	.912	.282	69.6	67.0	2.6	65.6	.88	71.1	78.2	„	0·0					
7 „	.948	.308	70.2	67.5	2.7	66·1	.88	71.2	78.2	„	0.0					
8 „	.971	.402	73.8	66·5	7.3	62.5	.69	73.7	78.0	NNE	0.1					
9 „	.998	·416	77.0	68.0	9.0	63.2	.64	75.9	78.0	„	0.1					
10 „	.996	·607	78.8	62.5	16.3	51.2	.40	76.8	78.1	„	0.1	None.			None.	
11 „	.986	·534	82.8	66.0	16.8	55.6	.40	79.2	78.3	NW b N	0.2					
Noon.	.958	.472	82.6	67.0	15.6	57.8	.45	79.8	78.4	WNW	0.5					
1 p. m.	.903	.211	83.6	73.2	10.4	68.5	.62	81.0	78.5	NW b W	0.3					
2 „	.870	.171	83.6	73.4	10.2	68·8	·63	81.2	78.6	„	0.6					
3 „	.844	.090	84.1	75.0	9.1	71.1	.66	81.8	78.7	NW	0.6					
4 „	.832	.077	83.0	74.7	8.3	71.2	.69	81.2	78.8	„	0.6					
5 „	.837	·096	81.8	74.0	7.8	70.6	.70	80.5	79.0	„	0.7					
6 „	.857	.137	78.7	72.5	6·2	69.7	.75	79.0	79.0	NW b N	0.6					
7 „	.879	.182	77.5	71.5	6.0	68·7	.76	77.7	78.9	„	0.3					
8 „	.900	.216	77.0	71.0	6.0	68.1	.75	77.0	78.9	„	0.4					
9 „	.922	.287	76.2	70.0	6.2	65.8	.74	76.7	78.9	„	0.1		+	1		Above 10m.
10 „	.928	·282	74.8	69·2	5.6	66.4	.76	75.8	78.9	„	0.1		+	2		Above 10m.
11 „	.925	·336	74.6	67·4	7·2	63.5	.70	75.4	78.8	„	0.0		+	1		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ≀ cirri ; ≀≀ cirro-cumuli ; ∩ cumuli ; ∪ cirro-strati ; ∩∪ cumulo-strati ; and ≀≀ nimbi.	
0	B	Mist in N hor.	
0	C	Cloudless.	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	A few ≀ around hor.	
0	R	,, ,,	
0	R	Cloudless.	
0	R	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°0 and 83°1.
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	,,	
0	R	,,	
1	R	Light ≀ scattered along E hor ; mist along W hor.	
2	R	Light ≀ scattered around hor ; mist along W hor.	
0	B	Mist around hor.	
0	B	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	C	Cloudless.	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	Mist along W hor.	
1	R	Light ≀ scattered along W hor.	
0	R	Cloudless.	
0	R	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	Cloudless ; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°0 and 83°1.
0	C	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
0	R	,, ,,	
0	R	,, ,,	
0	R	A few ≀ scattered along E hor ; mist along W hor.	
0	R	,, ,, ,,	
0	B	Mist around hor.	
0	B	,,	
0	B	,,	
0	B	,,	
0	C	Cloudless.	
0	C	,,	
0	R	,,	
0	R	,,	
0	R	,,	
1	R	≀ scattered along W hor.	
0	R	Cloudless.	
0	R	,,	
0	B	,,	
0	B	,,	
0	B	,,	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 23rd-Midnight	29.915	29.238	73°8	69°8	4°0	67°8	0.83	74°3	78°7	NNW	0.0		+	12	10	0.56
1 a. m.	.886	.195	73.2	70.0	3.2	68.4	.86	74.1	78.6	„	0.0		+	7	5	2.35
2 „	.877	.215	72.7	69.0	3.7	67.1	.84	74.0	78.6	„	0.0					
3 „	.862	.258	72.0	67.0	5.0	64.3	.78	73.0	78.5	„	0.0					
4 „	.870	.181	73.4	70.0	3.4	68.3	.85	74.0	78.5	„	0.0					
5 „	.896	.278	71.3	67.2	4.1	65.0	.82	72.7	78.4	N b E	0.0					
6 „	.900	.399	70.0	63.0	7.0	58.7	.69	71.9	78.2	NNW	0.1					
7 „	.921	.446	71.0	62.5	8.5	57.1	.63	72.0	78.2	„	0.0					
8 „	.944	.513	73.6	62.0	11.6	54.2	.63	73.0	78.0	„	0.0					
9 „	.968	.306	79.0	71.0	8.0	67.1	.68	76.5	78.2	NNE	0.0		+	4		
10 „	.970	.380	79.3	69.0	10.3	63.6	.60	77.0	78.3	„	0.1		+	1		
11 „	.966	.367	82.2	70.2	12.0	64.1	.55	79.2	78.4	W b N	0.1	None.				
Noon.	.950	.312	82.8	71.5	11.3	66.0	.58	79.8	78.4	„	0.1					
1 p. m.	.896	.246	83.4	72.0	11.4	66.6	.58	81.0	78.5	WNW	0.1					
2 „	.873	.194	84.0	73.0	11.0	67.9	.60	81.5	78.6	„	0.4					
3 „	.843	.115	83.0	74.0	9.0	70.0	.66	81.0	78.7	„	0.6					
4 „	.841	.052	82.9	75.6	7.3	72.6	.72	81.0	78.9	„	0.6		+	3		
5 „	.860	.114	81.4	74.0	7.4	70.8	.71	80.2	79.0	NW b W	0.5			0		
6 „	.869	.131	78.7	73.0	5.7	70.5	.77	78.9	79.0	„	0.3		+	2		
7 „	.871	.081	77.4	74.0	3.4	72.6	.86	78.0	79.0	NW	0.1		+	2		
8 „	.900	.173	76.4	72.0	4.4	70.0	.81	77.1	78.9	„	0.0					
9 „	.918	.178	75.2	72.0	3.2	70.5	.86	76.0	78.9	„	0.0					
10 „	.913	.227	73.6	70.0	3.6	68.2	.84	75.0	78.9	„	0.0					
11 „	.917	.337	74.2	67.0	7.2	63.1	.70	75.0	78.9	„	0.1					
Feb. 24th-Midnight	.917	.327	73.3	67.0	6.3	63.6	.73	74.0	78.7	NW	0.0					
1 a. m.	.896	.349	71.6	65.0	6.6	61.2	.71	73.0	78.6	„	0.0					
2 „	.876	.261	74.0	68.0	6.0	64.9	.74	74.5	78.6	„	0.4					
3 „	.874	.261	74.2	68.0	6.2	64.8	.73	74.7	78.5	NNW	0.2					
4 „	.880	.326	73.6	66.0	7.6	61.7	.68	74.1	78.5	„	0.1					
5 „	.880	.315	72.6	66.0	6.6	62.3	.72	73.0	78.4	„	0.0					
6 „	.898	.375	70.7	64.0	6.7	60.0	.71	71.5	78.4	N b W	0.0					
7 „	.926	.326	72.4	67.0	5.4	64.1	.76	73.0	78.2	N b E	0.0					
8 „	.936	.332	75.0	68.0	7.0	64.3	.71	74.2	78.2	„	0.0					
9 „	.966	.487	77.5	65.0	12.5	57.3	.52	76.0	78.2	„	0.1					
10 „	.969	.423	80.8	68.2	12.6	61.3	.53	78.0	78.2	NNW	0.2					
11 „	.962	.362	82.3	70.3	12.0	64.1	.56	79.6	78.4	NW	0.6					
Noon.	.934	.343	82.8	70.2	12.6	63.6	.54	80.2	78.5	„	0.7	None.	None.	None.	None.	None.
1 p. m.	.886	.236	83.4	72.0	11.4	66.6	.58	81.0	78.7	„	0.8					
2 „	.857	.232	84.3	71.6	12.7	65.4	.54	81.4	78.7	„	1.0					
3 „	.835	.190	83.8	72.0	11.8	66.3	.57	81.3	78.8	„	0.8					
4 „	.823	.169	83.0	72.0	11.0	66.7	.59	81.0	78.9	„	0.8					
5 „	.817	.181	81.4	71.0	10.4	65.9	.61	80.0	79.0	„	0.8					
6 „	.825	.196	78.8	70.0	8.8	65.5	.65	78.6	79.0	„	0.7					
7 „	.834	.168	77.8	69.0	8.8	64.4	.65	77.5	79.0	„	0.4					
8 „	.859	.251	77.6	69.0	8.6	64.5	.66	77.4	79.0	NW b N	0.6					
9 „	.879	.268	76.8	68.8	8.0	64.7	.68	76.5	79.0	NNW	0.4					
10 „	.885	.281	75.0	68.0	7.0	64.3	.71	75.5	78.8	„	0.3					
11 „	.886	.191	76.0	71.0	5.0	68.6	.79	76.0	78.8	„	0.2					
Feb. 26th-Midnight	.888	.164	75.0	71.5	3.5	69.9	.87	75.7	79.0	NW b N	0.0					
1 a. m.	.856	.137	74.2	71.1	3.1	69.7	.86	75.2	78.9	„	0.0					
2 „	.848	.200	74.0	69.0	5.0	66.5	.78	75.0	78.9	N	0.0					
3 „	.840	.153	73.5	70.0	3.5	68.2	.85	74.6	78.8	NNE	0.0					
4 „	.842	.149	73.0	70.0	3.0	68.5	.87	74.2	78.7	„	0.0					
5 „	.854	.154	72.4	70.0	2.4	68.8	.90	73.0	78.6	N b W	0.0	None.	None.	None.	None.	None.
6 „	.868	.164	72.0	70.0	2.0	69.0	.91	73.0	78.5	„	0.0					
7 „	.892	.229	72.6	69.0	3.6	67.2	.84	73.3	78.5	„	0.0					
8 „	.908	.206	75.4	71.0	4.4	68.9	.81	75.0	78.5	„	0.0					
9 „	.929	.279	78.5	70.5	8.0	66.6	.69	77.0	78.6	N b E	0.1					
10 „	.931	.349	83.0	70.0	13.0	63.2	.53	79.8	78.7	„	0.2					
11 „	.921	.340	89.5	72.0	17.5	63.1	.44	85.0	79.1	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒≀ cumuli; ⌣≀ cirro-strati; ⌒≀ cumulo-strati; and ≀≀ nimbi.	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°2 and 82°1. This was the 3rd day on which the sky was almost cloudless.
0	C	Cloudless; dew falling.	
0	C	" "	
0	R	" "	
0	R	" "	
0	B	" "	
0	B	Cloudless.	
0	C	Mist around hor.	
0	C	" "	
0	R	" "	
0	R	Mist in W hor.	
0	B	" "	
0	B	Cloudless.	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	B	"	
1	B	Pieces of ≀≀ scattered along W hor.	
0	C	Cloudless; dew falling.	
0	C	" "	
0	R	" "	
0	R	" "	
0	B	" "	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°3 and 83°1.
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	Light ≀ scattered here and there.	
1	R	" "	
2	R	Light ≀ scattered in E hem.; mist along W hor.	
2	R	Light ≀ scattered here and there; mist along W hor.	
1	B	" " "	
0	B	Mist around hor.	
1	B	≀ scattered along E hor.	
1	B	" "	
0	C	A few ≀ along E hor.	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	" "	
0	R	Light ≀ scattered here and there.	
0	R	Cloudless.	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°6 and 83°1. At 4 P. M. Barometer was 29.769; this was the lowest reading in the month.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	" "	
0	R	A few ≀ in E hor.	
0	R	A few ≀ in E hor; mist in hor.	
1	R	≀ scattered along E hor; mist in hor.	
0	B	Mist in hor.	
0	B	"	
0	B	"	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering one degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 26th-Noon.	29.877	29.423	94°6	70°0	24°6	56°7	0.30	88°6	79°5	N	0.3					
1 p. m.	.829	.114	91.2	76.0	15.2	69.5	.50	86.0	79.7	NW	0.2					
2 „	.807	.040	90.0	77.0	13.0	71.6	.56	86.7	79.8	„	0.4					
3 „	.789	.064	88.5	75.5	13.0	67.9	.56	85.8	80.0	„	0.7					
4 „	.769	.171	88.0	72.0	16.0	64.0	.47	85.1	80.1	„	0.8	None.	None.	None.	None.	None.
5 „	.777	.228	86.0	70.0	16.0	61·4	.47	84.0	80.2	„	0.8					
6 „	.790	.162	82.0	71.0	11.0	65.5	.59	81.6	80.2	NW b N	0.7					
7 „	.811	.209	81·2	70.0	12.2	64.2	.58	80 5	80.2	„	1.6					
8 „	.833	.260	80.8	69.0	11.8	62.7	.56	80.0	80.1	„	1.5					
9 „	.865	.245	79.6	70.0	9.6	65.1	.63	79.4	80.1	„	0.5					
10 „	.867	.280	78.0	68.5	9.5	63.4	.63	78.1	80.1	„	0.2					
11 „	.865	.417	76.2	63.5	12.7	55.3	.50	76.9	80.0	„	0.1					
Feb. 27th-Midnight	.865	.396	77.2	64.5	12.7	56.7	.51	77.2	80.0	N b W	0.0					
1 a. m.	.838	.271	75.4	67.0	8.4	62.4	.65	76.0	79.9	N	0.0					
2 „	.836	.351	74.7	64.2	10.5	57.7	.58	75.0	79.7	„	0.0					
3 „	.833	.238	74.0	67.4	6.6	63.9	.72	74.5	79.6	„	0.0					
4 „	.825	.327	73·0	64.0	9.0	58.5	.63	74.0	79.5	N b W	0.0					
5 „	.831	.352	74.7	64.0	10.7	57.3	.57	74.5	79.4	„	0.1					
6 „	.856	.315	74.8	66.0	8.8	61.0	.64	74.5	79.3	„	0.1		+	3		Above 10m.
7 „	.879	.379	75.6	65.0	10.6	58.6	.58	75.0	79.2	N	0.1		+	2		Above 10m.
8 „	.903	.308	78.8	69.0	9.8	63.9	.62	77.5	79.2	„	0.1		+	10	10	Above 10m.
9 „	.932	.378	82.5	69.0	13 5	61.7	.51	80.0	79.3	„	0.1		+	2		Above 10m.
10 „	.939	.335	84.2	71.0	13.2	64.3	.53	81.5	79.5	NNW	0·3		+	18	16	0.56
11 „	.928	.253	86.0	73.5	12.5	67·7	.54	83 0	79·6	„	0.2		+	Out of Sc.	25	0.08
Noon.	.901	.223	87.5	74.0	13.5	67.8	.53	83.8	79.8	„	0.1	None.	+	10	8	Above 10m.
1 p. m.	.857	.133	90.4	76.0	14.4	69.9	.52	86.0	80.0	NW b N	0.1		+	10	8	Above 10m.
2 „	.835	.081	91.2	77·0	14.2	71.1	.53	86.6	80.3	WSW	0.3		+	10	8	0.37
3 „	.819	.050	89.8	77.0	12.8	71.7	.57	86.5	80.5	W	0.2		+	20	19	0.32
4 „	.813	.126	90.2	75.0	15.2	68.2	.50	86·5	80.5	WSW	0.1		+	2		Above 10m.
5 „	.811	.135	88.1	74.1	14.0	67.8	.52	85.0	80.6	„	0.1		+	2		Above 10m.
6 „	.831	.035	83.8	76.0	7.8	72.8	.70	82.5	80.7	„	0.1					
7 „	.861	.077	81.4	75.0	6.4	72.3	.75	81.0	80.5	„	0.1		+	18	18	1.00
8 „	.876	.145	79.4	73.0	6·4	70.2	.75	79.7	80.5	WNW	0.0		+	3		Above 10m.
9 „	.894	.184	78.9	72.3	6.6	69.3	.74	79.2	80.5	„	0.0		+	10	8	1·18
10 „	.896	.153	78·3	73.0	5.3	70.7	.78	78.8	80.5	„	0.0		+	16	14	1.25
11 „	.889	.199	78.1	71.5	6.6	68.4	.73	78.5	80.5	N	0.1		+	3		2.00
Feb. 28th-Midnight	.884	.230	76.5	70.0	6.5	66.7	.73	77.2	80.4	N	0.0					
1 a. m.	.852	.248	75.0	68.0	7.0	64.3	.71	76.1	80.4	NNW	0.0					
2 „	.841	.143	75.7	71.0	4.7	68.7	·80	76.7	80.3	„	0.0		+	6	4·	2·13
3 „	.832	.118	75.6	71.4	4.2	69.4	.82	76.3	80.2	„	0.0		+	10	9	0·25
4 „	.826	.155	75.0	70.0	5.0	67.5	.79	76.0	80.1	„	0.0		+	1		Above 10m.
5 „	.835	.131	75.2	71.0	4.2	69.0	.82	75.4	80.0	N b W	0.0					
6 „	.861	.202	73.0	69.0	4.0	67.0	·82	74.0	80.0	„	0.0					
7 „	.887	·302	72.3	66.5	5.8	63.4	.75	73.5	79.7	„	0.0					
8 „	·915	.389	76.2	66.0	10.2	60.1	.59	76.0	79.8	N	0.0		+	3		Above 10m.
9 „	.939	.444	79.0	66.0	13.0	58.3	51	77.5	79.8	„	0.1					
10 „	.936	.271	82.0	72.0	10.0	67.2	.62	79.7	79.9	NW b N	0.1		+	3		2.28
11 „	·931	·212	83.8	74.0	9.8	69.7	.64	81.2	80.0	NW	0.1		+	6	4	0.53
Noon.	.902	.223	84.0	73.0	11.0	67.7	.60	81.6	80.0	W	0.2	None.	+	6	4	0·48
1 p. m.	.864	.113	84.4	75.0	9.4	71.0	.66	82.2	80.2	WNW	0.5					
2 „	.841	.083	85.0	75.0	10.0	71·3	.64	82.5	80.3	NW	0.7					
3 „	.831	.213	85 0	71.6	13.4	65.0	.53	82.4	80 5	„	0.8					
4 „	.829	.216	83·4	71.0	12.4	64.8	.55	81 7	80.5	NW b W	1.0					
5 „	.831	.193	81.8	71.2	10.6	66.0	.60	80.6	80.5	NW	0.6					
6 „	.839	.175	78.8	71.0	7.8	67.2	.69	78.7	80.5	„	0.7					
7 „	.849	.133	77.4	72.0	5.4	69 5	.78	77.9	80.2	„	0.5					
8 „	.881	.122	76.8	73·0	3.8	71.3	.84	77.0	80.2	„	0.1		+	3		Above 10m.
9 „	.902	.199	75.3	71.0	4 3	69.0	.82	76·4	80.1	„	0.0		+	6	4	0.44
10 „	.904	.181	74.8	71.4	3.4	69·8	.85	76.0	80.0	„	0.1		+	6	4	1.08
11 „	.905	.182	75.1	71.5	3.6	69.8	.84	76.0	80.0	„	0.4		+	4	3	1.00

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿∿ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒⌣ cumulo-strati; and ∿∿ nimbi.	
0	B	Cloudless.	
0	C	A few ∿ in E and W hor.	
1	C	∿ scattered from E to NW hor.	
1	C	∿ scattered around hor.	
1	C	∿ scattered here and there.	
1	R	" "	
1	R	∿ scattered around hor.	
0	R	Cloudless.	
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°6 and 83°1.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	" "	
1	R	∿ scattered along E hor.	
3	R	∿ scattered about; mist around hor.	
2	R	" "	
1	B	" "	
6	B	∿ scattered throughout; mist in hor.	
6	B	" "	
6	B	" "	
4	C	∿ scattered about.	
3	C	∿ scattered about hor.	
3	C	" "	
3	C	" "	
3	R	∿ scattered about.	
4	R	" "	
3	R	∿ scattered in W and around hor.	
0	R	Cloudless.	
5	B	∿ scattered about.	
6	B	" "	
6	B	" "	
5	B	∿ scattered about.	Mean daily temperature of ground 20 and 60 inches below its surface 80°8 and 83°1.
5	C	∿ scattered about, moving E.	
7	C	" "	
7	C	∿ scattered about; dew falling.	
7	C	" "	
4	R	∿ scattered about, moving E.	
7	R	" "	
5	R	" "	
4	R	∿ scattered about, moving E; mist around hor.	
5	B	" " "	
4	B	" " "	
3	B	∿ and mist around hor.	
2	B	" "	
2	C	∿ scattered about hor.	
2	C	" "	
4	C	" "	
2	C	∿ scattered in E hemisphere.	
3	R	Light ∿ scattered about hor.	
3	R	" "	
2	R	" "	
2	R	" "	
1	B	Light ∿ scattered along E hor.	
1	B	" "	
1	B	" "	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Strawe of Volts 1.	Readings of Straws of Volts 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 1st-Midnight	29.904	29.166	75°4	72°0	3°4	70°5	0.85	76°1	80°0	NW	0.6		+	6	4	0.56
1 a. m.	.878	.099	75.0	73.0	2.0	72.1	.91	76.0	79.9	„	0.1		+	7	5	Above 10m.
2 „	.866	.120	74.6	72.0	2.6	70.8	.89	75.7	79.9	„	0.0		+	16	15	1.23
3 „	.860	.139	73.0	70.8	2.2	69.7	.90	74.4	79.8	„	0.0		+	1		Above 10m.
4 „	.862	.165	71.4	69.6	1.8	68.7	.92	73.5	79.6	NW b W	0.0		+	1		Above 10m.
5 „	.872	.161	71.4	70.0	1.4	69.3	.94	73.0	79.5	„	0.0					
6 „	.888	.183	71.0	69.7	1.3	69.0	.94	72.5	79.5	NW	0.0		+	3		Above 10m.
7 „	.908	.195	71.2	70.0	1.2	69.3	.94	72.9	79.4	„	0.0		+	10	10	0.30
8 „	.938	.192	74.6	72.0	2.6	70.8	.89	74.9	79.4	„	0.0		+	20	20	0.01
9 „	.965	.206	76.8	73.0	3.8	71.3	.84	76.2	79.4	„	0.1		+	8	6	1.18
10 „	.961	.202	78.5	73.5	5.0	71.3	.80	77.5	79.5	„	0.3		+	6	4	1.00
11 „	.944	.168	80.0	74.4	5.6	72.0	.78	78.5	79.6	„	0.5	None.	+	6	4	0.52
Noon.	.917	.136	81.6	75.0	6.6	72.2	.74	79.4	79.6	„	0.5		+	2		2.20
1 p. m.	.867	.037	82.5	76.5	6.0	74.1	.77	80.6	79.7	NNW	0.3		+	3		1.38
2 „	.829	.061	82.8	75.0	7.8	71.7	.70	81.0	79.8	NW	0.6		+	1		Above 10m.
3 „	.829	.070	82.2	74.6	7.6	71.3	.71	80.7	79.9	„	0.8		+	1		Above 10m.
4 „	.831	.065	81.4	74.0	7.4	71.6	.71	80.2	80.0	„	0.4		+	1		Above 10m.
5 „	.836	.071	79.6	74.0	5.6	71.6	.78	79.2	79.9	„	0.5					
6 „	.854	.102	76.8	72.8	4.0	71.0	.82	77.5	79.9	„	0.5					
7 „	.871	.101	75.8	73.0	2.8	71.8	.88	76.8	79.8	„	0.4		+	1		Above 10m.
8 „	.889	.114	75.4	73.0	2.4	72.0	.90	76.3	79.7	„	0.1					
9 „	.895	.116	75.0	73.0	2.0	72.1	.91	76.0	79.6	NW b N	0.1					
10 „	.899	.117	74.7	73.0	1.7	72.2	.93	75.7	79.7	NW	0.3					
11 „	.898	.115	74.6	73.0	1.6	72.3	.93	75.3	79.7	NW b N	0.2					
Mar. 2nd-Midnight	.893	.111	74.7	73.0	1.7	72.2	.93	75.3	79.6	NW b N	0.2					
1 a. m.	.893	.114	75.0	73.0	2.0	72.1	.91	75.8	79.6	„	0.5					
2 „	.893	.144	74.4	72.0	2.4	70.9	.89	75.1	79.6	„	0.2					
3 „	.895	.167	74.0	71.3	1.7	70.0	.88	75.0	79.6	„	0.1					
4 „	.904	.163	73.5	71.5	2.0	70.6	.91	74.3	79.5	„	0.1					
5 „	.914	.186	73.0	71.0	2.0	70.0	.91	74.1	79.4	„	0.1					
6 „	.930	.210	72.4	70.6	1.8	69.7	.92	73.6	79.2	N	0.0					
7 „	.946	.237	72.4	70.4	2.0	69.2	.91	73.5	79.2	„	0.0					
8 „	.973	.262	74.5	71.0	3.5	69.3	.85	74.9	79.3	„	0.1					
9 „	.987	.294	76.2	71.0	5.2	68.5	.78	76.0	79.3	„	0.3					
10 „	.994	.291	78.5	72.0	6.5	69.0	.74	77.5	79.3	„	0.4					
11 „	.982	.283	78.9	72.0	6.9	68.8	.72	77.7	79.4	NNW	0.5	None.	None.	None.	None.	None.
Noon.	.955	.252	80.6	72.6	8.0	69.0	.69	78.5	79.4	WNW	0.5					
1 p. m.	.951	.275	81.0	72.0	9.0	67.8	.66	78.9	79.4	W	0.5					
2 „	.930	.255	81.1	72.0	9.1	67.7	.65	79.0	79.6	„	0.3					
3 „	.922	.258	80.5	71.5	9.0	67.2	.66	78.8	79.6	WNW	0.6					
4 „	.921	.280	79.6	70.6	9.0	66.1	.65	78.4	79.6	„	0.3					
5 „	.922	.313	78.2	69.2	9.0	64.6	.64	78.0	79.7	NW b W	0.2					
6 „	.935	.333	76.4	68.4	8.0	64.2	.67	76.2	79.6	„	0.1					
7 „	.938	.327	74.4	68.0	6.4	64.7	.73	75.0	79.5	„	0.0					
8 „	.952	.337	74.0	68.0	6.0	64.9	.74	74.8	79.4	„	0.0					
9 „	.954	.326	72.8	68.0	4.8	65.5	.79	73.0	79.3	„	0.0					
10 „	.954	.324	72.6	68.0	4.6	65.6	.80	72.9	79.1	„	0.0					
11 „	.948	.339	72.8	67.4	5.4	64.6	.77	72.9	79.0	WNW	0.0					
Mar. 4th-Midnight	.905	.322	71.0	66.0	5.0	63.2	.78	72.0	78.2	NW	0.3					
1 a. m.	.896	.326	69.7	65.0	4.7	62.3	.79	70.8	78.1	N	0.4					
2 „	.874	.319	69.2	64.5	4.7	61.8	.79	70.5	78.0	„	0.0					
3 „	.855	.300	69.2	64.5	4.7	61.8	.79	70.2	77.9	„	0.0					
4 „	.855	.293	70.0	65.0	5.0	62.1	.77	71.0	77.7	„	0.1					
5 „	.862	.268	70.0	66.0	4.0	63.8	.82	70.9	77.6	NE b N	0.1					
6 „	.878	.285	69.6	65.2	4.4	62.7	.80	70.6	77.6	„	0.1	None.		None.		
7 „	.910	.314	70.4	66.2	4.2	63.9	.81	71.0	77.6	NE	0.1					
8 „	.934	.332	72.2	67.0	5.2	64.1	.77	72.4	77.7	NNE	0.1					
9 „	.951	.372	74.8	67.2	7.6	63.0	.68	74.0	77.6	„	0.4		+	1		Above 10m.
10 „	.948	.399	77.0	67.0	10.0	61.4	.60	75.4	77.6	N	0.7					
11 „	.930	.358	77.9	68.0	9.9	62.7	.61	76.0	77.7	NW b N	0.6					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note,—In recording these Observations, the Symbols used to denote the clouds are: ⌐ cirri; ⌐ cirro-cumuli; ⌐ cumuli; ⌐ cirro-strati; ⌐ cumulo-strati; and ⌐ nimbi.	
1	B	⌐ scattered along E hor.	Mean daily temperature of ground 20 and 60 inches below its surface 80°8 and 83°1.
0	C	Cloudless; dew falling.	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	" "	
2	R	⌐ scattered along E and W hor.	
4	R	⌐ scattered about; mist around hor.	
2	R	⌐ scattered about hor; mist around hor.	
0	B	A few clouds scattered here and there; mist in hor.	
1	B	⌐ scattered along W hor; a few ⌐ scattered here and there; mist in N hor.	
1	B	⌐ scattered along W hor.	
0	B	A few ⌐ around hor.	
0	C	A few ⌐ in E hor.	
1	C	⌐ scattered along E hor.	
2	C	⌐ scattered in E hem.	
2	C	" "	
3	C	⌐ scattered around hor.	
1	C	⌐ scattered along W hor.	
0	C	Cloudless.	
0	C	Cloudless; dew falling.	
0	R	" "	
0	R	A few light ⌐ scattered here and there; dew falling.	
4	R	⌐ and ⌐ scattered about; dew falling.	
8	R	Overcast with ⌐ and ⌐, both moving SE; a few stars dimly visible; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°3 and 83°1. At 10 A.M. Barometer was 29.994, being greatest in the month.
8	B	Overcast with ⌐, moving E; dew falling.	
4	B	⌐ scattered about, moving E; dew falling.	
5	B	⌐ scattered about, moving SE; dew falling.	
5	B	" " "	
5	C	" " "	
6	C	" " "	
6	C	⌐ scattered about; ⌐ around hor, moving SE; mist around hor.	
4	C	⌐ scattered about, moving SE; mist around hor.	
5	R	⌐ scattered about, moving S; mist in hor.	
5	R	⌐ and ⌐ scattered about, the latter moving E.	
5	R	⌐ along the E hor; ⌐ scattered about, moving E.	
4	R	⌐ and ⌐ scattered about, the latter moving E.	
3	B	" " "	
2	B	⌐ scattered about hor., moving E.	
1	B	A few ⌐ along E hor; ⌐ scattered about N hor.	
0	B	A few ⌐ above SE hor; a few pieces of ⌐ scattered here and there.	
1	C	⌐ scattered around hor.	
2	C	" "	
2	C	" "	
0	C	Cloudless.	
0	C	"	
0	C	"	
0	C	"	
0	R	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°5 and 82°9.
1	B	⌐ scattered along W hor.	
1	B	" "	
3	B	⌐ scattered about, moving E.	
7	B	Dense ⌐ scattered throughout, moving SE.	
7	C	" " "	
7	C	" " "	
7	C	Dense ⌐ scattered about; mist and fog in hor.	
5	C	" " "	
3	R	⌐ scattered around hor.; mist and fog in hor.	
3	R	⌐ scattered around hor; mist in hor.	
2	R	⌐ scattered around hor.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.	°	°	°	°		°	°		lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 4th—Noon.	29.894	29.303	79·2	69·0	10·2	63·6	0.61	77·0	77·9	NW b N	0.8					
1 p. m.	.882	.297	79.7	69.0	10.7	63.3	.59	77.2	77.9	NW	0.8					
2 „	.858	.305	79.6	68.0	11.6	61.6	.56	77.5	78.0	„	1·6		+	1		Above 10m.
3 „	.846	.296	79.3	67.8	11.5	61.5	.56	77.2	78·1	„	1.5					
4 „	.843	.337	78·0	66.0	12.0	59.0	.54	76.5	78.1	„	1.2	None.				
5 „	.836	.384	77.2	64.0	13.2	55.6	.49	75.6	78.1	„	0.7					
6 „	.846	.419	74·0	62.0	12.0	53.9	.52	74.1	78.0	NW b N	1.0		+	2		Above 10m.
7 „	.861	.443	73.2	61.4	11.8	53.3	.52	73.3	78.0	„	0.5		+	1		Above 10m.
8 „	.876	.430	73.4	62.4	11.0	55.2	.54	73.4	77.9	„	0.6		+	1		Above 10m.
9 „	.895	.427	73.0	63.0	10·0	56.6	.58	73.0	77.9	„	0.4		+	1		Above 10m.
10 „	.900	.369	72.8	65.0	7.8	60.4	.67	72.9	77.8	„	0.6		+	2		Above 10m.
11 „	.899	.365	72.5	65.0	7.5	60.6	.68	72.8	77.8	„	0.7					
Mar. 5th—Midnight	.891	.351	72.0	65.0	7.0	60.9	.70	72.5	77.8	NW b N	0.2					
1 a. m.	.890	.347	71.7	65.0	6.7	61.1	.71	72.2	77.7	NNW	0.4					
2 „	.878	.336	69.0	64·0	5.0	61.0	.77	70.2	77.5	N b W	0.1					
3 „	.867	·320	68.5	64.0	4.5	61.3	.80	69.8	77.4	„	0.2					
4 „	.869	.322	68.5	64.0	4.5	61.3	.80	69.5	77.3	N	0.2					
5 „	·869	.294	69.4	65.2	4.2	62.8	.81	70.2	77.3	„	0.1					
6 „	.893	.292	69.4	66.0	3.4	64.2	·84	70.2	77.2	„	0.2					
7 „	.912	.318	70·0	66.0	4.0	63.8	.82	70.9	77.2	NNE	0.1					
8 „	.940	·404	71.2	64.6	6·6	60.7	.71	71.8	77.0	N b E	0.2					
9 „	.960	.450	74.2	64.8	9.4	59.2	.61	72.3	77.0	NNW	0.8					
10 „	.965	.439	76.2	66.0	10.2	60.1	.59	74.9	77.2	„	0.8					
11 „	.951	.414	78.1	67.0	11.1	60.8	.57	76.1	77.3	„	0.7					
Noon.	.927	.353	79.2	68.5	10.7	62.8	.59	77.0	77.4	NW b N	0.8	None.	+	1		Above 10m.
1 p. m.	.921	.370	79.8	68.0	11.8	61.5	.56	77.3	77.5	„	1.3		+	1		Above 10m.
2 „	.892	.345	80.2	68.0	12.2	61.3	.54	77.6	77.6	NW	1.5		+	1		Above 10m.
3 „	.871	.344	80.2	67.4	12.8	60.2	.52	77.7	77.7	„	1.5		+	1		Above 10m.
4 „	.870	.403	79.2	65.2	14.0	56.6	.48	77.1	77.7	„	1.5					
5 „	.856	.305	76.8	67.0	9.8	61.5	.61	76.1	77.8	„	1.4		+	1		Above 10m.
6 „	.868	.376	73.5	64.0	9.5	58.1	.61	74.0	77.7	NNW	1.0		+	1		Above 10m.
7 „	.882	.388	72.8	63.8	9.0	58.3	.62	73.4	77.5	„	0.7		+	2		Above 10m.
8 „	.894	.389	72.4	64.0	8.4	58.9	.64	73.5	77.5	„	0.6		+	2		Above 10m.
9 „	.904	.418	73.2	64.0	9.2	58.1	.62	73.0	77.5	NW	0.6		+	2		Above 10m.
10 „	.909	.351	73.3	66.0	7.3	61.9	.69	73.0	77.5	NW b N	0.7		+	2		Above 10m.
11 „	.905	.342	72.8	66.0	6.8	62.2	.71	73.0	77.5	„	0.6		+	2		Above 10m.
Mar. 6th—Midnight	.897	.343	72.2	65.5	6.7	61.7	.71	72.5	77.4	NW b N	0.3		+	1		Above 10m.
1 a. m.	.898	.355	71·7	65.0	6.7	61.1	.71	72.3	77.4	NW	0.7		+	1		Above 10m.
2 „	.897	.342	70.6	65.0	5.6	61.8	.75	71.5	77.4	NW b N	0.2		+	2		Above 10m.
3 „	.889	·347	69.0	64.0	5.0	61.0	·77	70.2	77.2	NNW	0.2		+	1		Above 10m.
4 „	.885	.360	68.7	63.3	5.4	60.1	.76	70.1	77.1	„	0.2		+	1		Above 10m.
5 „	.889	.374	68.2	62.8	5.4	59.5	.76	69.4	77.0	„	0.1		+	5	4	Above 10m.
6 „	.902	.382	68·0	64.0	4.0	59.8	.81	69.6	77.0	N b W	0.0		+	1		Above 10m.
7 „	.923	.407	68.6	63.0	5.6	59.6	.75	69.8	77.0	„	0.0		+	1		Above 10m.
8 „	.945	.405	72·0	65.0	7.0	60.9	.70	72.1	76.9	N	0.1		+	5	5	Above 10m.
9 „	.958	.410	74.2	66.0	8.2	61.4	.66	73.0	76.9	NE b N	0.2		+	6	6	Above 10m.
10 „	.955	.435	75.6	65.6	10.0	59.8	.60	74.0	76.9	„	0.2		+	2		Above 10m.
11 „	.938	·390	78.6	67.5	11.1	61.4	.57	76.0	77.0	NNW	0.3		+	2		Above 10m.
Noon.	.909	.335	79.8	68.7	11.1	62.8	.58	77.2	77.0	WNW	0.8	None.	+	1		Above 10m.
1 p. m.	.902	.300	81·2	70.0	11.2	64.2	.58	78.2	77.2	NW	0.8		+	1		Above 10m.
2 „	.879	.283	81.7	70.0	11.7	63.9	.57	79.0	77.4	„	1.0		+	3		Above 10m.
3 „	.859	.254	81.6	70.2	11.4	64.4	.58	79.0	77.5	NNW	1.0		+	3		Above 10m.
4 „	.849	.276	80.8	69.0	11.8	62.7	.56	78.9	77.6	NW	1.2		+	3		Above 10m.
5 „	.842	.284	79.2	68·0	11.2	61.9	.57	78.0	77.7	„	1.4		+	1		Above 10m.
6 „	.856	.290	76.0	67.2	8.8	62.3	.64	76.2	77·6	„	1.5		+	1		Above 10m.
7 „	.870	.340	74.8	66.0	8.8	61.0	.64	75.0	77.6	„	1.2		+	2		Above 10m.
8 „	·886	.360	74.3	66.0	8.3	60.1	.65	74.7	77.5	NW b N	0.7		+	2		Above 10m.
9 „	.892	.372	73.8	65.0	8.8	59.8	.64	74.0	77.5	NNW	0.7		+	2		Above 10m.
10 „	.896	.358	72.2	65.0	7.2	60.8	.69	72.7	77.5	N b W	0.3		+	18	18	Above 10m.
11 „	.879	.371	70.8	63.5	7.3	59·1	.68	71.5	77.5	„	0.1		+	5		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌒≀ cirro-strati; ⌒≀ cumulo-strati; and ≀≀ nimbi.	
0	R	A few pieces of ≀≀ in E and SE hor.	
0	B	A few pieces of ≀≀ in E hor.	
0	B	Cloudless.	
0	B	,,	
0	B	,,	
0	C	A few ≀ in E hor.	
4	C	≀ scattered about.	
0	C	Cloudless.	
0	C	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	R	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 79°0 and 83°0. This was the 4th day on which the sky remained almost cloudless.
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	C	Cloudless; dew falling.	
0	C	A few ≀ in E hor.; dew falling.	
0	C	Mist and light fog in hor.	
0	C	,, ,,	
0	R	,, ,,	
0	R	Light mist in hor.	
0	R	Cloudless.	
0	R	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	R	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°1 and 82°5.
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	C	,,	
2	C	Light ≀ scattered about E hor.	
0	C	Mist and fog in hor.	
0	C	,, ,,	
0	R	,, ,,	
0	R	Cloudless.	
0	R	,,	
0	R	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	C	,,	
0	C	A few ≀ in E hor.	
0	C	Cloudless.	
0	C	,,	
0	R	,,	
0	R	,,	
0	R	,,	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newmann's Gauge.	Electrical Instruments. Sign of Electricity + or−	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds between same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 7th-Midnight	29.864	29.355	70°4	63°4	7°0	58°2	0.69	71°5	77°4	N b W	0.0		+	3		Above 10m.
1 a. m.	.866	.391	69.6	62.0	7.6	57.1	.67	71.0	77.3	,,	0.1		+	3		Above 10m.
2 ,,	.858	.370	69.0	62.2	6.8	57.9	.69	70.5	77.2	,,	0.0		+	2		Above 10m.
3 ,,	.853	.361	68.1	62.0	6.1	58.1	.72	69.9	77.1	NNW	0.0		+	6	4	3.15
4 ,,	.845	.371	67.6	61·2	6.4	57·0	.71	69.0	77.0	,,	0.0		+	6	4	2.36
5 ,,	.835	·329	66.8	62.0	4·8	59.0	.77	68.7	76.8	,,	0.0		+	10	9	1.54
6 ,,	.851	.377	67.0	61.0	6.0	57.0	.72	68.4	76.6	N b W	0·3		+	15	14	Above 10m.
7 ,,	.871	.411	68.3	61.0	7.3	56.2	.67	69.0	76.7	,,	0.2		+	2		Above 10m.
8 ,,	.890	·356	71.7	64.7	7.0	60.6	.70	71.5	76.7	,,	0.1		+	6	5	Above 10m.
9 ,,	.903	.366	75.2	66.0	9.2	60.8	.62	74.0	76.5	,,	0.2		+	5	4	Above 10m.
10 ,,	.895	.441	77.0	64.0	13.0	55.7	.50	75.0	76.6	NE b N	0.2		+	1		Above 10m.
11 ,,	.874	.365	80.6	67.0	13.6	59.2	.50	77.2	76.9	N b W	0.3		+	5	4	Above 10m.
Noon.	.844	.281	81.7	69.0	12.7	62.2	.53	78.5	77.0	NW	0.6		+	1		Above 10m.
1 p. m.	.829	.236	82.0	70.0	12·0	63.8	.56	79.0	77.1	NW b N	1.0	None.	+	1		Above 10m.
2 ,,	.811	.159	83.2	72.0	11.2	66.6	.59	79·8	77.3	NW	1.0		+	1		Above 10m.
3 ,,	.786	.124	83.3	72.3	11.0	67.1	.59	80.2	77.5	,,	1.0		+	2		Above 10m.
4 ,,	.778	·113	82.0	72.0	10.0	67.2	.62	79.9	77.6	NW b W	0·8		+	1		Above 10m.
5 ,,	.762	.038	80.0	73.0	7.0	69.9	.72	79.0	77.7	,,	0.7		+	2		Above 10m.
6 ,,	.777	.093	77.0	71.0	6.0	68.1	.75	77·1	77.6	NW	0.4		+	2		Above 10m.
7 ,,	.792	.093	75.6	71.0	4.6	68.8	.81	76.0	77.6	,,	0.5		+	1		Above 10m.
8 ,,	·813	.112	74.8	70·8	4.0	68.9	.83	75.5	77.6	,,	0.3		+	3		Above 10m.
9 ,,	.844	.164	74.2	70.0	4.2	67.9	.82	74.6	77.5	,,	0.4		+	3		Above 10m.
10 ,,	.857	.185	73·5	69.5	4.0	67.5	.83	74.0	77.5	,,	0.3		+	3		Above 10m.
11 ,,	.851	.175	73.0	69.5	3.6	67.8	.85	73.5	77.5	,,	0.1		+	6	5	Above 10m.
Mar. 8th-Midnight	.843	.186	73·2	69·0	4.2	66.9	.82	73.7	77.6	NW	0·7		+	1		Above 10m.
1 a. m.	.844	.216	72.8	68.0	4.8	65.5	.79	73.2	77.6	NW b N	0.2					
2 ,,	.827	.186	71.6	68.0	3.6	66·1	.84	72.5	77.6	,,	0.0					
3 ,,	.823	.193	69.6	67.0	2.6	65.6	.88	71.5	77.5	NW	0.0					
4 ,,	.826	.190	69.1	67.0	2.1	65.9	·90	70.6	77.4	,,	0.0					
5 ,,	.822	.206	68.6	66.2	2.4	64.9	·89	70.3	77.3	,,	0.0					
6 ,,	.839	.217	68.6	66.4	2.2	65.2	.90	70.2	77.3	,,	0.0					
7 ,,	.855	.233	70.4	67.0	3.4	65.2	.84	71.3	77.2	NNW	0.0					
8 ,,	.875	.202	73.6	69.6	4.0	67.6	.83	73.4	77.2	,,	0.0					
9 ,,	.888	.210	76.2	70.6	5.6	67.8	.77	75.0	77.2	N	0.2					
10 ,,	.892	.254	78.0	70.0	8.0	66.0	.68	76.2	77.3	NNW	0.3					
11 ,,	.874	.248	79.1	70.0	9.1	65.4	.64	77.0	77.5	NW	0.6					
Noon.	.844	.232	80·4	70.0	10.4	64.7	.60	78.0	77.5	NW b W	0.7	None.			None.	
1 p. m.	·838	.309	81.8	68.0	13.8	60.3	.50	78.7	77.6	NW	0.8					
2 ,,	.812	.243	83.2	69.7	13.5	62.5	.51	79.8	77.8	,,	1·0					
3 ,,	.795	.227	82.8	69.5	13.3	62.5	.52	79.8	78.0	,,	1.0					
4 ,,	.795	.224	81.0	69.0	12.0	62.6	.55	79.1	78.0	,,	1.0					
5 ,,	.803	.212	79·2	69.0	10.2	63.6	.61	78.1	78.1	,,	0.8					
6 ,,	.818	.258	76.6	67.2	9.4	62.1	.63	76.1	78.1	,,	1.0		+	1		Above 10m.
7 ,,	.828	.248	75.7	67.5	8.2	63.1	.67	75.6	78.0	,,	1.3		+	1		Above 10m.
8 ,,	.838	.237	75.3	68.0	7.3	64·2	.70	75.3	78.0	,,	0.8		+	1		Above 10m.
9 ,,	.864	·255	74.5	68.0	6.5	64.6	.73	74.9	78.0	NW b N	0.1		+	1		Above 10m.
10 ,,	.866	.192	73.3	69.5	3.8	67.7	.83	74.2	77.9	,,	0.0					
11 ,,	.863	.231	71.5	67.7	3.8	65.7	.83	72.5	77.7	NW	0.0					
Mar. 11th-Midnight	.896	.207	73.4	70.0	3.4	68.3	.85	74.0	78.0	NNW	0.3					
1 a. m.	.897	.236	73.5	69.2	4.3	67.1	.81	74.2	78.0	,,	0.2					
2 ,,	.896	.224	72.1	69.1	3.0	67.6	.87	73.0	78.0	,,	0.0					
3 ,,	.889	.241	71.0	68.0	3.0	66.5	.86	72.0	78.0	,,	0.0					
4 ,,	.885	.255	69.6	67.0	2.6	65.6	.88	71.0	77.8	,,	0·0					
5 ,,	.885	·268	69.0	66.4	2.6	65.0	.88	70.5	77.7	,,	0.0	None.	None.	None.	None.	None.
6 ,,	·906	.286	68.8	66.4	2·4	65.1	.89	70·4	77.6	,,	0.0					
7 ,,	.926	.320	70.0	66.4	3.6	64.4	.84	71.0	77·6	N	0·0					
8 ,,	.949	.383	72.5	66·0	6.5	62.3	.72	72.8	77.6	NNE	0.2					
9 ,,	.950	.346	76.5	68.5	8.0	64·3	.68	75.0	77.5	,,	0.6					
10 ,,	.956	.365	79.2	69.0	10.2	63.6	.61	77.0	77.5	N	0.5					
11 ,,	.939	.368	81.0	69.0	12.0	62.6	.55	78.0	77.7	ENE	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌒≤ cirro-strati; ⌒⌒ cumulo-strati; and ≤≤≤ nimbi.	
0	R	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 79°8 and 82°4. At 5 A. M. temperature was 66°0, lowest during the month.
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	C	,,	
1	C	Light ≤ scattered here and there.	
0	C	≤ scattered from NW to NE hor.; mist and fog in hor.	
0	C	A few ≤ in N hor.; mist and fog in hor.	
0	R	,, ,,	
0	R	Mist around hor.	
0	R	,, ,,	
0	R	Cloudless.	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	R	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 79°6 and 82°4. This was the 6th cloudless day during the year.
0	B	,,	
0	B	Cloudless; dew falling.	
0	B	,, ,,	
0	B	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
0	C	Mist and fog in hor.	
0	C	,,	
0	R	,,	
0	R	Light mist in hor.	
0	R	Cloudless.	
0	R	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	R	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 79°6 and 82°4. This was the 5th day on which the sky remained almost cloudless.
0	B	,,	
0	B	Cloudless; dew falling.	
0	B	,,	
0	B	,,	
0	C	,,	
0	C	,,	
0	C	A few pieces of clouds above NE hor.; mist and fog around hor.	
0	C	Mist and fog around hor.	
0	R	,, ,,	
0	R	Mist around hor.	
0	R	Cloudless.	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 11th-Noon.	29.904	29.229	82°4	72°4	10°0	67°7	0.62	79°3	77°8	N	0.5					
1 p. m.	.882	.170	82.8	73.5	9.3	69.3	.65	79.6	78.0	NW b N	0.8					
2 „	.850	.123	83.1	74.0	9.1	70.0	.66	80.3	78.2	NW	1.2					
3 „	.839	.152	83·3	73.0	10.3	68.2	.62	80.6	78.3	„	1.0					
4 „	.824	.170	83.0	72.0	11.0	66.7	.59	80.6	78.5	NNW	1.2					
5 „	.811	.159	81.2	71.4	9.8	66·6	.63	79.7	78.5	„	1.4	None.	None.	None.	None.	None.
6 „	.830	.221	78.2	67.2	9.0	64.6	.64	78.0	78.5	„	1.0					
7 „	.837	.194	77·5	70.0	7·5	66.2	.70	77 3	78.5	„	0.5					
8 „	.846	.162	77.0	71.0	6 0	68.1	.75	77.0	78.5	„	0.7					
9 „	.855	.133	76.8	72.0	4.8	69.8	.80	76.5	78.5	„	0.6					
10 „	.860	.147	76.0	71.5	4.5	69.4	.81	76.0	78.5	N b W	0.5					
11 „	.852	.100	75.8	72.5	3.3	71.0	.87	76.0	78.5	„	0.4					
Mar. 12th-Midnight	.844	.129	74·2	71.0	3.2	69.5	.86	75.0	78.5	N b W	0.2					
1 a. m.	.845	.186	73.0	69.0	4.0	67.0	.82	74.1	78.4	„	0.0					
2 „	.830	.170	73.3	69.2	4.1	67.0	.82	74.2	78.4	NE b E	0 2					
3 „	.829	.169	73.3	69.2	4.1	67.0	.82	74.2	78.4	E b N	0·3					
4 „	.835	·171	72·8	69.1	3.7	67.2	.84	73.6	78.3	E	0.0					
5 „	.833	·189	71.4	68.0	3.4	66.3	.85	72.8	78.2	„	0.0					
6 „	·871	.171	72.4	70.0	2.4	68 8	.89	73.5	78.2	NE b E	0.0					
7 „	.900	.207	73.0	70.0	3.0	68.5	.87	73.8	78.4	„	0.0					
8 „	.921	.320	75.3	68.0	7.3	64.2	.70	75.0	78.1	„	0.0					
9 „	.934	.282	78.6	70.6	8 0	66.6	.68	77.0	78.2	„	0.1					
10 „	.929	.387	83.6	69.0	14.6	61.0	.49	80.5	78.4	EN b N	0.3					
11 „	.907	.445	89.3	68.5	20.8	56.3	.34	85.0	78.7	NNE	0.5					
Noon.	.869	.449	94.6	69.0	25.6	53·4	.27	88 5	79·1	„	0.4	None.	None.	None.	None.	None.
1 p. m.	.848	.367	97.0	71.5	25.5	57.5	·27	89.2	79.3	„	0.1					
2 „	.826	.132	91.7	75·6	16.1	68.6	.48	87.8	79.5	NW b W	0.1					
3 „	.813	.077	89.3	76.0	13.3	70.4	.55	86.6	79.7	NW	0.5					
4 „	.809	.150	86.2	73.1	13.1	67.6	·54	84.2	79.8	NW b N	1.0					
5 „	.797	.133	85.4	73·0	12.4	67.2	.56	84·0	80·0	„	1.2					
6 „	.809	.114	82.6	73.0	9.6	68.6	.64	82.0	80.0	NW	0.8					
7 „	.821	.122	81.2	72.7	8.5	68.8	.67	81.0	80.0	NW b N	1.0					
8 „	.835	.101	80.4	73.4	7·0	70.3	.72	80.1	80.0	„	1.4					
9 „	.838	.074	79.7	74.0	5.7	71.5	.77	80.0	80.0	„	0.5					
10 „	.849	.075	78·8	74.0	4.8	71.9	.80	79.0	80.0	„	0.8					
11 „	.850	.073	78.5	74.0	4.5	72.0	.82	78.8	80.0	„	0.7					
Mar. 13th-Midnight	.833	.047	77.7	74.0	3.7	72.4	.85	78.0	79.9	NW b N	0.6					
1 a. m.	.835	.058	77.6	74.0	3.6	72.0	.85	78.1	79.9	„	0.0					
2 „	.831	.101	76.5	72.1	4.4	70.1	.82	77.2	79.9	„	0.0		+ +	4	4	1.00
3 „	.822	.091	76.0	72.0	4.0	70.2	.83	76.8	79.8	„	0.0		+ +	10	10	0.36
4 „	.822	.061	76.6	73.0	3.6	71.4	·85	77.1	79.7	NNW	0.0		+ +	6	6	1·15
5 „	.817	.101	77.4	72.0	5.4	69.5	.78	77.5	79.6	NNE	0.0		+ +	2		Above 10m.
6 „	.838	.165	78.0	71.0	7.0	67.6	.72	78.0	79.6	NE b N	0.3		+	1		Above 10m.
7 „	.866	.166	78.8	72.0	6.8	68.8	.73	78.3	79.7	„	0.1					
8 „	·890	.250	81.0	71.0	10.0	66.1	.62	79.7	79.8	„	0.2					
9 „	.902	.238	83.8	72.5	11.3	67.2	.59	81.0	79.9	„	0.1					
10 „	.916	.224	86.3	74.0	12.3	68.5	·57	83.2	80.0	SW b S	0.5	A few drops of rain.				
11 „	·903	·135	86.4	76.0	10.4	71.7	.63	83.7	80.2	SSW	0.8					
Noon.	.880	.072	86.3	77.0	9.3	73.3	.66	84.0	80.3	„	0.6		+ +	3		6.20
1 p. m.	.876	.002	87.0	78.8	8.2	75.7	.70	84.7	80.4	„	0.5		+	1		Above 10m.
2 „	.847	.018	88.0	78.0	10.0	74.1	65	85.2	80.6	„	0.5					
3 „	.831	28.958	87.8	79.0	8.8	75.7	.68	85.2	80 7	SW b S	0.3					
4 „	.822	.971	87·0	78.0	9.0	74·9	.67	84.9	80.7	SSW	0.2					
5 „	.821	.999	85.0	77.0	8.0	73.8	.70	84.0	81.5	„	0.1					
6 „	.840	.981	81.6	77.0	4.6	75.2	.82	82.0	81.0	„	0.1					
7 „	.858	.983	80.2	77.0	3.2	75.8	.87	80.7	81.0	„	0.0					
8 „	.876	.995	79.6	77·0	2.6	76.0	.89	80.5	81.0	„	0.0					
9 „	.897	29.016	79.6	77.0	2.6	76.0	.89	80·0	81.0	SE b S	0.4					
10 „	.887	.052	78.5	75.5	3.0	74·3	.88	79.5	81.0	„	0.2					
11 „	.887	.038	79.0	76.0	3.0	74.9	.88	79.5	80.9	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ≀ cirri ; ≀≀ cirro-cumuli ; ∩ cumuli ; ⌣ cirro-strati ; ∩ cumulo-strati ; and ≀≀ nimbi.	
0	R	Cloudless.	
0	B	"	
0	B	"	
0	B	"	
0	B	Light mist along the E hor.	
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	R	"	
0	R	"	
0	R	"	
0	R	Cloudless.	Mean daily temparature of ground 20 and 60 inches below its surface 79°7 and 82°5. At 1 P. M. temparature of air was 97.0, highest during the month; it was the 5th day on which the wind blew abnormally.
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	Cloudless ; dew falling.	
0	C	" "	
0	C	Mist and fog in hor.	
0	C	" "	
4	R	≀ scattered about ; mist around hor.	
2	R	≀ and mist all around hor.	
2	R	" "	
3	R	≀ scattered about, moving S.	
5	B	" "	
5	B	" "	
5	B	≀ scattered about, moving SSE ; haze along E hor.	
7	B	≀ scattered throughout, moving S ; haze along E hor.	
7	C	" " "	
3	C	≀ scattered around hor. ; mist along E hor.	
2	C	" " "	
0	C	A few ≀ in WSW hor.	
0	R	Cloudless.	
4	R	≀ along E hor. ; ≀≀ scattered about.	
3	R	" " "	
1	R	≀ scattered along E hor.	Mean daily temperature of ground 20 and 60 inches below its surface 79°9 and 82°6. This was the 6th day on which the wind blew abnormally.
3	B	≀≀ scattered around hor.	
4	B	" "	
3	B	" "	
2	B	" "	
3	C	≀≀ scattered about, moving SE.	
7	C	≀≀ scattered throughout, moving ESE.	
3	C	≀≀ scattered about, moving ESE ; mist and fog in hor.	
2	C	" " "	
1	R	Mist in hor.	
1	R	A few patches of ≀≀ along E hor.	
1	R	" "	
1	R	≀≀ scattered from N to SE hor.	
1	B	" "	
1	B	∩ scattered along E hor.	
1	B	" "	
1	B	" "	
1	C	∩ along E hor. ; light haze from NE to S hor.	
1	C	∩ and mist scattered around hor.	
1	C	≀≀ scattered about, moving N.	
4	C	Light ≀≀ scattered about, moving N.	
4	R	Light ≀≀ scattered about, moving N.	
5	R	≀≀ scattered about, moving N ; very slight drops of rain at 10h. 7m.	
4	R	≀ and light ≀≀ scattered about, the latter moving N.	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 14th-Midnight	29.863	29.003	78°0	76°0	2°0	75°2	0.92	79°0	80°8	SE	0.0					
1 a. m.	.863	.080	78.0	74.0	4.0	72.3	.83	78.5	80.7	,,	0.0					
2 ,,	.843	.060	77.0	73·7	3.3	72.3	.86	77.9	80.7	,,	0.0					
3 ,,	.840	.068	77.0	73.4	3.6	71.8	.85	77.8	80.6	,,	0.0					
4 ,,	.837	.113	76.6	72.0	4.6	69.9	.81	77.1	80.6	,,	0.0					
5 ,,	.833	.097	75.5	72.0	3.5	70.4	.85	76.8	80.5	,,	0.0					
6 ,,	.842	.065	75.2	73.0	2.2	72.0	.90	76.5	80·5	,,	0.0					
7 ,,	.846	·104	76.5	73.0	3.5	71.4	.85	77.0	80.5	,,	0.0		+	1		Above 10m.
8 ,,	.884	.139	79.4	73.4	6.0	70.7	.76	78.8	80.6	,,	0.0					
9 ,,	.887	.120	81.2	74.5	6.7	71.6	.74	79.8	80.5	,,	0.1					
10 ,,	.895	.090	83.0	76.0	7.0	73.2	.73	81.0	80·5	SE b S	0.3	None.				
11 ,,	.885	28.992	86.0	79.0	7.0	76.4	.74	83.0	80·7	SSW	0.2		+	3		700
Noon.	.850	.960	86.8	78.6	8.2	75.5	.70	84.0	80.9	,,	0.3	None.	+	1		.00
1 p. m.	.844	.985	87.6	78.6	9.0	75.2	.68	84.2	81·0	SW	0.3					
2 ,,	.826	.957	88.2	79·0	9.2	75.5	.67	84.9	81.2	,,	0.2					
3 ,,	.796	.901	87.8	79·5	8.3	76.5	.70	84·8	81·3	W b S	0.3					
4 ,,	.796	.892	85.0	79.0	6.0	76.8	.77	83·8	81.3	W	0.3					
5 ,,	.774	.886	82.6	78.0	4.6	76.2	.82	82.0	81·5	W b S	0.1					
6 ,,	.799	.929	80.6	77.0	3·6	75.6	.85	81.0	81·5	,,	0.0					
7 ,,	.827	.948	79.8	77.0	2.8	75.9	.88	80.3	81.3	,,	0.0					
8 ,,	.839	.951	79.0	77.0	2.0	76.2	.92	80.0	81.3	,,	0.2					
9 ,,	.855	.965	78.8	77.0	1.8	76·3	.92	79.6	81·2	SW	0.5					
10 ,,	.839	.979	78.0	76.0	2.0	75.2	.92	79.0	81·2	S b E.	0.4					
11 ,,	.839	.947	78.6	77.0	1.6	76.4	.93	79.0	81·1	,,	0.0		+	1		Above 10m.
Mar. 15th-Midnight	.817	.961	78.4	76.0	2.4	75.1	.90	79.0	81.2	S b E	0.0					
1 a. m.	.819	.995	77.1	74.8	2.3	73.9	.90	78.0	81.2	,,	0.0					
2 ,,	.799	.935	77.6	76.0	1.6	75.4	.93	78.2	81·1	,,	0.1					
3 ,,	.789	.944	77.6	75.5	2.1	74.7	.91	78.2	81.0	SW	0.3					
4 ,,	.782	.918	77.6	76.0	1·6	75.4	.93	78.1	81.0	NW b W	0·5					
5 ,,	.770	.832	77.2	75.2	2.0	74.4	.91	78.0	81.0	,,	0.1					
6 ,,	.798	29.000	76.6	74.0	2.6	72.9	.89	77.5	81.0	NW c	0.0					
7 ,,	.832	.003	76.6	74.8	1.8	74.1	.92	77.6	81.0	WNW	0.0					
8 ,,	.851	.037	78·6	75.0	3·6	73.5	.85	78.6	81.0	NNE	0.0					
9 ,,	.867	.004	79.5	76.5	3.0	75.3	.88	79.4	81.0	ESE	0.0					
10 ,,	.865	.025	81.6	76.5	5.1	74.5	.80	80.5	81.0	S	0·0					
11 ,,	.852	28.997	82.0	77·0	5.0	75.0	.80	80.9	81.0	SSW	0.1	None.	None.	None.	None.	None.
Noon.	.815	29.025	84.4	76.0	8.4	72.6	.69	82·0	81.1	SW b W	0·2					
1 p. m.	.811	.008	86.7	77.0	9.7	73.1	.65	83.5	81.2	,,	0.3					
2 ,,	.788	.003	87.6	76·8	10.8	72.4	.62	84.0	81.3	WSW	0·4					
3 ,,	.765	.000	86.6	76.0	10.6	71.6	.62	83.5	81.4	W	0.4					
4 ,,	.762	.005	84·6	75·2	9.4	71.2	.66	82.7	81.5	NW	0.4					
5 ,,	.742	28·940	82·5	75.8	6.7	73.0	.74	81.2	81.5	NW b W	0.3					
6 ,,	.751	29.011	80·0	73.5	6·5	70.6	.74	80.0	81.5	NW	0.2					
7 ,,	.769	.050	78.4	72.4	6.0	69.7	.76	78.9	81.3	,,	0.1					
8 ,,	.788	.079	78.0	72 0	6.0	69.2	.76	78.1	81.2	,,	0·0					
9 ,,	.807	.056	77.5	73.0	4.5	71.6	·81	77.9	81.1	,,	0.0					
10 ,,	.814	.073	76.4	72.4	4.0	70.6	.83	77.1	81.0	,,	0.0					
11 ,,	.820	.091	76·2	72.0	4.2	70.1	.82	77.0	81.0	,,	0.0					
Mar. 16th-Midnight	.817	.025	77.2	74.0	3.2	72·7	.87	77.5	81.0	NW	0 6					
1 a. m.	.814	.030	76.6	73.6	3.0	72.3	.87	77·1	81.0	,,	0.4					
2 ,,	.814	.059	75.5	72.5	3.0	71.2	·87	76.3	80·8	,,	0.0					
3 ,,	.815	.069	74.6	72.0	2.6	70·8	.89	75.6	80.7	,,	0.0					
4 ,,	.812	.073	74.0	71.6	2.4	70·5	.89	75.1	80.6	,,	0.0					
5 ,,	.802	.023	75·0	73.0	2.0	72.1	.91	76·2	80.5	E b N	0.1	None.	None.	None.	None.	None.
6 ,,	.816	.063	74.0	72.0	2.0	71.1	.91	75·5	80.5	,,	0.3					
7 ,,	.845	.059	75.7	73.4	2·3	72.4	.90	76.2	80.6	,,	0.0					
8 ,,	.865	.082	78.0	74·0	4.0	72.3	.83	77.8	80.6	E	0.0					
9 ,,	.890	.091	79·0	74.7	4·3	73.0	.82	78.2	80.5	,,	0.0					
10 ,,	.885	.090	80.4	75.0	5·4	72.8	·78	79.1	80.5	NNW	0·2					
11 ,,	.877	.100	82·0	75.0	7.0	72.0	.73	80.0	80.6	NW	0.3					

Amount of Clouds 0—5.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿ cirro-cumuli; ⌒ cumuli; ⌒ cirro-strati; ⌒ cumulo-strati; and ∿ nimbi.	
5	R	Dense ∿ scattered about, moving N.	Mean daily temperature of ground 20 and 60 inches below its surface 80°2 and 82°6. This was the 5th day on which lightning was observed after sunset.
4	B	" " "	
3	B	" " "	
3	B	Dense ∿ scattered about hor., moving NNE.	
3	B	" " "	
2	C	∿ scattered about hor.; dew falling.	
1	C	∿ along W hor.; ∿ scattered along E hor.; dew falling.	
1	C	∿ and mist around hor.	
0	C	∿ scattered from N to NE hor.; mist and fog in hor.	
0	R	A few ∿ scattered above W and N hor.; mist and fog in hor.	
2	R	∿ scattered about hor.; mist in hor.	
2	R	∿ scattered around hor., except in E.	
2	R	∿ scattered about hor., moving N.	
2	B	∿ scattered about hor.	
1	B	⌒ along E hor.; ∿ in remainder of hor.	
2	B	⌒ along E hor., ∿ scattered along W hor., moving ENE.	
6	B	Light ∿ scattered about, moving E.	
7	C	⌒ along E hor.; light ∿ scattered about, moving ESE.	
3	C	⌒ along E hor; light ∿ scattered about E hem., moving ESE; lightning in E hor. observed at 6h. 38m.	
3	C	Light ∿ scattered about hor., moving ESE; continuous lightning in E hor.	
3	C	Clouded as before; lightning in NE hor. in every 10s.	
3	R	Clouded as before; lightning in NE hor. in every 18s.	
4	R	Light ∿ scattered about, moving S; continuous lightning in E and NE hor.	
4	R	" " " "	
5	R	∿ and light ∿ scattered about, the latter moving NW; lightning in E and NE hor. at intervals of 40s.	Mean daily temperature of ground 20 and 60 inches below its surface 80°6 and 80°7. This was the 7th day on which the wind blew abnormally; and the 6th day on which lightning was observed after sunset.
3	B	Light ∿ scattered about hor.; lightning in NNE hor. in 1½m. interval; slight drops of rain falling.	
4	B	Light ∿ scattered about, moving N; lightning in NNE hor.; slight drops of rain at 2h. 30m.	
3	B	∿ scattered about, moving N; dew falling.	
9	B	" " "	
4	C	" " "	
9	C	Dense ∿ scattered about, moving N; mist in hor.	
7	C	Dense ∿ scattered throughout, moving NNE; mist and fog in hor.	
8	C	Dense ∿ scattered about, moving ENE; light mist in hor.	
7	R	∿ scattered about, moving ENE; mist in hor.	
5	R	∿ scattered about, moving WNW.	
4	R	∿ scattered about, moving N.	
4	R	∿ in ESE hor.; ∿ scattered about, moving NNE.	
2	B	⌒ in ESE hor.; ∿ scattered about hor.	
2	B	" " "	
2	B	⌒ along E hor.; ∿ scattered along W hor., moving NNE.	
3	B	⌒ along E hor.; ∿ scattered about, moving N.	
3	C	" " "	
5	C	⌒ along E hor.; ∿ scattered about, moving NE; lightning in E hor. observed after 6h. 34m.	
3	C	⌒ along E hor.; ∿ scattered about, moving NE; lightning in E hor. in every 24s. intervals.	
2	C	⌒ along E hor.; ∿ scattered about hor.; lightning in E hor. every 3m.	
1	R	⌒ and ∿ along E hor.; lightning in E hor. at intervals of more than 10m.	
0	R	A few ∿ along E hor.	
0	R	A few ∿ in E hor., and a few in W hor.	
0	R	A few ∿ in W hor.	Mean daily temperature of ground 20 and 60 inches below its surface 80°7 and 82°7. This was the eighth day on which the wind blew abnormally.
1	R	∿ scattered along W hor.	
1	B	∿ scattered in W and E hor.; dew falling.	
0	B	Cloudless; dew falling.	
1	B	∿ along E hor.; dew falling.	
1	C	" "	
1	C	" "	
0	C	A few patches of ∿ in E hor.; mist and fog in hor.	
2	C	∿ scattered around hor., moving ESE; haze and mist in hor.	
4	R	∿ scattered about, moving E; haze and mist in hor.	
1	R	∿ scattered from N to E hor.; light mist in hor.	
0	R	Cloudless.	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Readings of			Interval of Time in recovering the same degree of tension after discharge.
													Sign of Electricity + or −	Straws of Volta 1.	Straws of Volta 2.	
	in.	in.	°	°	°	°		°	°		lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 16th-Noon.	29.848	29.052	82·8	75·7	7·1	72·8	0.73	80·5	80·7	„	0.5					
1 p. m.	.837	.050	84.6	76.0	8.6	72.5	.68	81.5	80.7	„	0.3					
2 „	.807	.013	84.7	76.2	8.5	72.8	.68	81.9	80.9	„	0.5					
3 „	.790	28.988	84.3	76.3	8.0	72.0	.70	81.9	81.0	„	0.6					
4 „	.787	.993	84.0	76.0	8.0	72.8	.70	82.0	81.1	NW b W	0.3					
5 „	.773	29.000	82.4	75.0	7.4	71.9	.71	81.3	81.2	„	0.2	None.	None.	None.	None.	
6 „	.786	.045	79.8	73.4	6.4	70·6	.75	80.0	81.1	„	0.1					None.
7 „	.801	.058	78.3	73.0	5.3	70.7	.78	78.9	81.0	WNW	0.2					
8 „	.815	.035	77.6	73.8	3.8	72.2	.84	78.2	81.0	„	0.3					
9 „	.821	.027	77.0	74.0	3.0	72.8	.87	77.8	80.9	NW b W	0.2					
10 „	.827	.056	76.4	73.2	3.2	71.8	.86	77.3	80.8	„	0.0					
11 „	.821	.053	76.0	73.0	3.0	71.7	.87	77.1	80.7	„	0.0					
Mar. 18th-Midnight	.865	.123	75.0	72.0	3.0	70.6	.87	75.6	80.2	NW	0.4					
1 a. m.	.866	.120	74.6	72.0	2.6	70.8	.89	75.2	80.2	NNW	0·1					
2 „	.861	.096	74.6	72.5	2.1	71.6	.91	75.2	80.2	„	0.5					
3 „	.854	.107	74.5	72·0	2.5	70.8	.89	75.0	80.1	NW	0.8					
4 „	.844	.097	74.5	72.0	2.5	70.8	.89	75.0	80.0	„	1.4					
5 „	.857	.122	74.0	71.5	2.5	70.3	.89	75.0	80.0	NE	0.3					
6 „	.886	.158	73.0	71.0	2.0	70.0	.91	74.0	79.8	„	0.2					
7 „	.920	.198	73.5	71.0	2.5	69.8	.89	74.2	79.7	„	0.2					
8 „	.936	.205	76·0	72.0	4.0	70.2	.83	75.8	79.8	„	0.1					
9 „	.938	.265	78.0	71.0	7.0	67.6	.72	77.0	79.8	N	0.4					
10 „	.937	.252	80.2	72.0	8.2	68.1	.68	78.5	79.8	NW	0.4					
11 „	.910	.181	81.2	73.5	7.7	70.1	.70	79.0	80.0	„	0.5	None.				
Noon.	.877	.107	82.6	75.0	7.6	71.8	.71	80.3	80.0	„	0.6		+	1		Above 10m.
1 p. m.	.871	.092	83.6	75.5	8.1	72.1	.70	80.6	80.1	„	0.8		+ +	1		Above 10m.
2 „	.851	.053	83.6	76.0	7.6	72.9	.71	81·0	80.2	NW b W	0.8		+	1		Above 10m.
3 „	.828	28.993	83.8	77.0	6.8	74.3	.74	81.3	80.2	NW	0.8					
4 „	.821	.986	83.8	77.0	6.8	74.3	.74	81.6	80·4	„	0.5					
5 „	.807	.994	82.3	76.0	6.3	73.5	.75	81.0	80.5	„	0.5					
6 „	.811	29.043	79.4	74.0	5.4	71.7	.78	79.3	80.5	„	0.2					
7 „	.823	.079	78·2	73.2	5.0	70.7	.79	78.7	80.5	„	0.4					
8 „	.834	.108	77.8	72.4	5.4	69.9	.78	78.0	80.5	NNW	0.3					
9 „	.864	.163	76.8	71.4	5.4	68.9	.78	76.9	80.4	N	0.1					
10 „	.867	.171	76.6	71.2	5.4	68.6	.78	76.7	80.4	NNE	0.2					
11 „	.868	.208	76.0	70.0	6.0	67.0	.75	76.3	80.4	„	0.1		+	1		Above 10m.
Mar. 19th-Midnight	.865	.267	75.5	68.0	7.5	64.0	.69	75.7	80.3	NNE	0.2		+	1		Above 10m.
1 a. m.	.837	.106	76.0	72.0	4.0	70.2	.83	76.0	80.2	„	0.7		+	6		0.10
2 „	.829	.091	75.4	72.0	3.4	70.5	.85	75.9	80.1	„	0.6					
3 „	.824	.082	75.0	72·0	3·0	70.6	.87	75.9	80.0	„	0.8					
4 „	.822	.123	74.7	70.7	4.0	68.8	.83	75.2	80.0	„	0.5					
5 „	.830	.114	72.8	70.6	2.2	69.5	.90	73.8	80.0	„	0.1					
6 „	.846	.147	71.8	69.8	2.0	68.8	.91	73.1	79.9	„	0·2					
7 „	.855	.160	73.1	70.1	3.0	68·6	.87	73.8	79.8	NE	0.2		+	2		Above 10m.
8 „	.872	.186	76.2	70·8	5.4	68.2	.77	75.7	79.8	„	0.1					
9 „	.898	·234	79.2	71.1	8.1	67.2	.68	77.5	79.7	„	0.2					
10 „	.895	·230	82.0	72.0	10.0	67.2	.62	79.3	79.8	„	0.3					
11 „	.869	·164	83.8	73.6	10.2	69.0	.63	81.0	80.0	„	0.3	None.			None.	
Noon.	.844	.113	84.5	74.5	10.0	70.2	.64	81.3	80.1	NW b W	0.5					
1 p. m.	.783	.055	84.8	74.5	10·3	70.0	·63	82.0	80.3	„	0.8		+	1		Above 10m.
2 „	.765	.056	84.8	74.0	10.8	69·2	.61	82.0	80.5	„	1.4		+ +	1		Above 10m.
3 „	.746	28.983	85.0	76.0	9.0	72.3	.67	82.3	80.5	„	1.2		+ +	1		Above 10m.
4 „	.742	29.016	84.3	74.3	10.0	69.9	.64	82.0	80.5	„	1.4		+ +	1		Above 10m.
5 „	.758	·026	82.6	74.0	8.6	70.2	.68	81.0	80.6	„	0.8		+	1		Above 10m.
6 „	.764	.069	79.9	72.2	7.7	68.6	.70	79.4	80.6	NW	0.7					
7 „	.771	.102	79.0	71.2	7.8	67·4	.69	78.8	80.5	„	0.6					
8 „	.782	.108	78.6	71.2	7.4	67.7	.71	78.3	80.5	NW b W	0.3		+	1		Above 10m.
9 „	.785	.060	78.6	72.6	6.0	69.9	.76	78.3	80.5	NW b N	0.2		+ +	1		Above 10m.
10 „	.797	·092	78.4	72.0	6.4	69.0	.74	78.2	80.5	„	0.0		+ +	1		Above 10m.
11 „	.790	·192	75.8	69.0	6.8	65.5	.72	76.4	80.4	„	0.0		−	2		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∖ cirri; ∨∖ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ∨⌣ nimbi.	
0	R	Cloudless.	
0	B	A few ∨∖ in E hor.	
0	B	" "	
0	B	Cloudless.	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 82°7.
0	B	" "	
0	B	" "	
0	B	A few ∨∖ above W hor.; dew falling.	
0	B	" " "	
4	C	Dense ∨∖ scattered about, moving SE.	
5	C	" "	
6	C	" "	
2	C	∨∖ scattered about hor.	
2	R	" "	
0	R	A few ∨∖ in E hor.	
0	R	Cloudless.	
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°0. This was the 7th cloudless day in the year.
0	C	Cloudless; fresh breezes of wind blowing.	
0	C	Cloudless.	
0	C	"	
0	C	"	
0	N	Cloudless; dew falling.	
0	N	" "	
0	N	Cloudless; mist around hor.	
0	N	" "	
0	B	" "	
0	B	" "	
0	B	Cloudless.	
0	B	"	
0	C	Mist and fog in hor.	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of insulation after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar.20th-Midnight	29.786	29.149	75°0	69°0	6°0	65°9	0.75	75°6	80°3	NNW	0.5		+	19	17	0.22
1 a. m.	.783	.058	76·5	72.0	4.5	69.9	.81	76.8	80.4	,,	0.4		+	1		Above 10m.
2 ,,	.782	.082	76.2	71·2	5.0	68.8	.79	76.5	80.4	,,	0.4		+	1		Above 10m.
3 ,,	.774	.079	76.0	71.0	5.0	68.6	.79	76.2	80.3	,,	0.4		+	1		Above 10m.
4 ,,	.774	·043	76.0	72.0	4.0	70.2	.83	76.2	80.1	,,	0.2					
5 ,,	.765	·017	75.8	72.4	3.4	70.9	.85	76.0	80.1	NNE	0.1		+	2		0.44
6 ,,	.786	.036	74.3	72.0	2.3	71.0	.90	75.2	80.1	,,	0.0		+	2		0.22
7 ,,	.796	.002	76.3	73.8	2 5	72.8	.89	76.5	80.0	,,	0.0					
8 ,,	.815	·029	78.4	74.2	4.2	72.4	.82	78.0	80.0	,,	0.0					
9 ,,	.822	.105	80.6	73.0	7.6	69.6	.70	79·0	80·1	N	0.0					
10 ,,	.819	.094	81.6	73.5	8.1	69.9	.69	80.1	80.2	NW b N	0.0					
11 ,,	·805	·197	83.8	71.0	12.8	64.5	.54	81.0	80.4	,,	0.1					
Noon.	.779	·115	85.4	73.0	12.4	67.2	.56	82.1	80.5	WNW	0.2					
1 p. m.	.777	·025	86.0	75.5	10.5	71.0	.62	83.0	80.5	,,	0.7					
2 ,,	.758	28.986	86.0	76.0	10.0	71.8	.64	83.2	80·6	,,	0.7					
3 ,,	·750	.978	86·0	76.0	10.0	71.8	.64	83.3	80.8	,,	0.8					
4 ,,	·748	.990	85.5	75.5	10.0	71.3	.64	83.1	80.8	,,	0.5					
5 ,,	.736	.935	83.4	76.0	7.4	73.0	.72	82.3	80.9	,,	0.3					
6 ,,	.746	.974	80.4	74.4	6.0	71.8	.76	80.2	80.8	,,	0.2					
7 ,,	.769	·992	79.2	74.2	5.0	72.0	.80	79.4	80.8	,,	0.1					
8 ,,	.789	29.020	77.6	73.5	4.1	71.7	.83	78·5	80.8	,,	0.1					
9 ,,	·828	·066	77.2	73.2	4.0	71.4	.83	77.6	80.7	,,	0·0					
10 ,,	.833	.074	76.8	73.0	3.8	71.0	.84	77·3	80.7	,,	0.0					
11 ,,	·832	.098	76.4	72.2	4.2	70.3	.82	77.1	86.6	,,	0.0					
Mar.21st-Midnight	.827	.117	74.6	71.0	3.6	69.3	.84	75.6	80.6	WNW	0.0					
1 a. m.	.787	.101	73.6	70.0	3.6	68·2	.84	74.5	80.5	,,	0.0					
2 ,,	.774	.099	73.0	69·5	3.5	67.7	.84	74·0	80.3	,,	0.0					
3 ,,	.773	.099	72.7	69.3	3.4	67.7	.85	73.4	80.1	,,	0.0					
4 ,,	.768	.091	72.6	69.4	3.2	67.8	.86	73·3	80.1	,,	0.0					
5 ,,	.785	.118	72.3	69.0	3.3	67.3	.85	73.5	80.0	,,	0.0					
6 ,,	.794	.128	71.8	68.8	3.0	67.3	.87	73.0	80·0	,,	0.0					
7 ,,	.816	.062	75.2	72.4	2.8	71.1	.89	75.2	80.0	,,	0.0					
8 ,,	.833	.089	78.2	73.0	5.2	70.7	.79	77.2	79.9	,,	0.1					
9 ,,	.862	.110	80.8	74.0	6.8	71.0	.73	78.8	80.0	SSW	0.2					
10 ,,	.862	.140	81.9	73.5	8.3	69.8	.68	79.4	80.1	S b W	0.2					
11 ,,	.857	.156	83.8	73.5	10.3	68.9	.62	80.6	80.1	SSW	0.2					
Noon.	.842	.186	84.5	72.5	12.0	66.8	.57	81.1	80.2	W b S	0.3	None.				
1 p. m.	.807	.096	84.7	74.0	10.7	69.3	.61	82.0	80.5	NW b W	0.5					
2 ,,	.779	.167	85.1	71.5	13.6	64.7	.52	81.5	80.8	,,	1.0		+	2		Above 10m.
3 ,,	.757	.172	84.8	71.8	13.0	63.3	.54	81.4	80.8	,,	0.7		+	1		Above 10m.
4 ,,	.759	.173	84.2	70.5	13.7	63.4	.51	81.3	80.6	,,	0.5		+	1		Above 10m.
5 ,,	.771	.159	82.1	70.6	11.5	64.7	.57	80.8	80.7	WNW	0.4		+	1		Above 10m.
6 ,,	.781	.151	79.3	69.6	9.7	64.6	.62	79.0	80.6	,,	0.4		+	2		Above 10m.
7 ,,	.802	·133	78.4	71.0	7.4	67.4	.70	78.0	80.6	,,	0·3		+	1		Above 10m.
8 ,,	.814	.139	77.8	71.0	6.8	67.7	.72	78.0	80 5	W b N	0.3					
9 ,,	.864	.192	76.5	70.5	6.0	67.6	.75	77.0	80.4	,,	0·0					
10 ,,	.865	.170	76.2	71.0	5.2	68.6	.78	76.5	80.3	,,	0.0					
11 ,,	.865	.166	75.6	71.0	4.6	68.8	·81	76.1	80.3	,,	0.0					
Mar.22nd-Midnight	·854	.145	75.4	71.2	4.2	69.2	.82	76.0	80.2	W	0.0					
1 a. m.	.829	.118	74.6	71.0	3.6	69.3	.84	75·0	80.2	,,	0.0					
2 ,,	.822	.105	74.0	71.0	3.0	69.6	·87	75.0	80.1	,,	0.0					
3 ,,	.806	.105	72.9	70.2	2.7	68.9	.88	74.0	80·0	,,	0.0					
4 ,,	.818	.126	72.2	69.7	2.5	68·5	.88	73.2	79.9	W b N	0·0	None.		None.	None.	
5 ,,	.826	.161	71.9	68.8	3.1	67.2	.86	73.1	79.9	W	0.0		None.			None.
6 ,,	.846	.139	72.4	70.2	2.2	69.1	.90	74.0	79.8	SSE	0.1					
7 ,,	.861	.134	74.4	71.4	3.0	70.0	.87	75·0	79.7	,,	0.3					
8 ,,	.891	.161	77.4	72.4	5.0	70.1	·79	76.8	79.7	E	0.3					
9 ,,	.936	.212	80.0	73.0	7.0	69.9	.72	78.2	79.7	b E	0.3					
10 ,,	.937	.226	81.2	73.0	8.2	69.3	.68	79.3	79.9	,,	0.4					
11 ,,	.931	·238	82.8	73.0	9.8	68.5	.64	80.0	80.0	,,	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌣i cirri; ∿i cirro-cumuli; ∩i cumuli; ⌣i cirro-strati; ∩i cumulo-strati; and ∿i nimbi.	
0	C	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°3 and 83°0. The reading of Barometer at 5 P. M. was 29·736, lowest during the month. This was the 9th day on which the wind blew abnormally, and the 8th cloudless day during the year.
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	N	"	
0	N	Mist along E hor; dew falling.	
0	N	Mist and fog in hor.	
0	N	" "	
0	C	" "	
0	C	Haze along E hor.	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	B	"	
0	B	Cloudless; dew falling.	
0	B	" "	
0	B	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°2 and 82°9. This was the 10th day on which the wind blew abnormally.
0	G	" "	
2	G	Light fleecy clouds scattered in E hem., moving NE; dew falling.	
2	G	" " " "	
3	G	Light fleecy clouds scattered about E hem., moving SSE; dew falling.	
0	N	Cloudless; dew falling.	
0	N	Cloudless; mist in hor.	
0	N	Mist along E hor.	
0	N	" "	
0	B	Cloudless.	
0	B	"	
0	B	"	
0	B	"	
0	G	"	
0	G	"	
0	G	"	
0	G	Very light haze along E hor.	
0	N	" "	
0	N	Cloudless.	
0	N	"	
0	N	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°4 and 83°0. This was the 11th day on which the direction of wind was abnormal.
0	G	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	N	" "	
0	N	A bank of ∿i along E hor.	
0	N	Dense mist along E hor.	
0	N	∿i scattered around hor.; mist in hor.	
2	B	∿i scattered from NW to S hor.; light mist in hor.	
3	B	∿i scattered about, moving S.	
2	B	∿i scattered about hor.	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gage.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of Insulation after discharge.
	in.	in.									lbs.	In.		Sc. div.	Sc. div.	m. s.
Mar. 22nd-Noon	29.912	29.233	84°0	73°0	11°0	67°9	0.60	80°9	80°1	SSW	0.2		+			
1 p. m.	.860	.162	85.0	73.8	11.2	68.7	.60	81.3	80.2	W	0.3		+	1		Above 10m.
2 „	.834	.148	85.1	73.5	11.6	68.2	.58	82.0	80.3	„	0.2		+	1		Above 10m.
3 „	.811	.103	84.9	74.0	10.9	69.2	.61	82.2	80.5	„	0.3		+	1		Above 10m.
4 „	.791	.101	84.0	73.3	10.7	68.4	.61	81.5	80.6	„	0.3		+	1		Above 10m.
5 „	.799	.097	82.0	73·0	9.0	68.9	.66	80.8	80.5	„	0.3					
6 „	.817	.119	79.0	72.0	7.0	68.7	.72	79.0	80.5	W b N.	0.3				None.	
7 „	.832	.117	77.5	72.0	5.5	69.5	.77	78.0	80.5	„	0.3	None.				
8 „	.842	.138	76.8	71.5	5.3	69.0	.78	77·5	80.4	W	0.2					
9 „	.876	.183	76.2	71.0	5.2	68·5	.78	77.0	80.4	„	0.1					
10 „	.885	.190	76.0	71.0	5.0	68.6	.79	76.5	80.3	„	0.3					
11 „	.884	.185	75.6	71.0	4.6	68.8	.81	76.1	80.3	„	0.1					
Mar. 23rd-Midnight	.880	.181	75.6	71.0	4.6	68.8	.81	76.1	80.3	W b S	0.1					
1 a. m.	.854	.150	75.2	71.0	4.2	69.0	.82	75.0	80.1	W	0.0					
2 „	.838	.146	74.7	70·5	4.2	68.5	.82	75.3	80·1	„	0.0					
3 „	.833	.150	73.9	70.0	3.9	68.1	.83	75.0	80·0	„	0.0					
4 „	.832	.125	74.0	70.7	3.3	69.1	.86	75.0	79·9	NNE	0.1					
5 „	.844	.120	74.0	71.2	2.8	69.7	.87	75.0	79.8	ENE	0.3					
6 „	.870	.171	73.4	70.3	3.1	68.8	.86	74.5	79.7	E	0.6					
7 „	.894	.187	75.0	71.5	3.5	69.1	.85	75.5	79.7	„	0.5					
8 „	.918	.197	77.6	72.2	5.4	69·7	.78	76.9	79.7	„	0.2					
9 „	.953	.226	79.7	73.0	6,7	70.0	.73	78.0	79.8	„	0.1					
10 „	.949	.261	80.6	72.2	8.4	69.3	.68	78.8	79.9	„	0.2					
11 „	.940	.226	81.6	73.2	8.4	69.4	·68	79.3	80.0	NWbW	0·3	None.				
Noon.	.916	.213	82.6	73.2	9.4	69.0	.65	80.1	80.0	WNW	0.2		+	1	None.	None'
1 p. m.	.859	.171	83.2	73.0	10.2	68.3	.62	80.5	80.2	NW b W	0.2	None.	+	1		
2 „	.830	.109	84.4	74.2	10.2	69.7	.62	81.3	80.3	WNW	0.4		+	1		
3 „	.812	.114	84.0	73.5	10.5	68.7	.62	81.5	80.4	W b N	0.4		+	1		
4 „	.803	.079	83.4	74.0	9.4	69.9	.65	81.6	80.4	WNW	0.5		+	1		
5 „	.824	.106	81.2	73.2	8.0	67.6	.69	80.2	80.5	„	0.5					
6 „	.841	.097	78.8	73.2	5.6	70.7	.77	78.8	80.5	„	0.4					
7 „	.864	.115	77.7	73.0	4.7	70.9	.81	78.0	80.5	„	0.2					
8 „	.880	.152	77.3	72.3	5.0	70.0	.79	77.4	80·4	„	0·2					
9 „	.891	.171	77.0	72.0	5.0	69.7	.79	77.2	80.4	„	0.1					
10 „	.891	.191	76.6	71.3	5.3	68.8	.78	77.0	80.3	„	0.1					
11 „	.888	.188	76.6	71.3	5.3	68.8	.78	77.0	80.3	NW b W	0.2					
Mar. 25th-Midnight	.885	.150	75.6	72.0	3.6	70.3	.85	76.5	80.2	WNW	0.0					
1 a. m.	.885	.163	75.2	71.5	3.7	69.8	·84	76.2	80.1	„	0.1					
2 „	.868	.159	74.7	71.0	3·7	69.2	.84	75·8	80.1	„	0.0					
3 „	.858	.147	74.5	71.0	3.5	69.3	.85	75.2	80.0	„	0,0					
4 „	.851	.156	73.5	70·2	3.3	68.6	.86	74.3	79·9	„	0.0					
5 „	.854	.146	73.2	70.5	2.7	69.2	.88	74.0	79.9	„	0.0					
6 „	.882	.156	73.6	71.4	2.2	69.9	.90	74.6	79.8	NE b N	0.1					
7 „	.902	.157	75.4	72.2	3.2	70.7	.86	75.5	79.7	NE	0.1					
8 „	.926	.177	77·7	73.0	4.7	70.9	.81	77.0	79.7	„	0.1					
9 „	.939	.178	80·0	74.0	6.0	71.4	.76	78.5	79.9	NE b E	0.1					
10 „	.935	.242	80.8	72·4	8.4	68.5	.68	79·0	80.0	„	0.1					
11 „	.928	.280	82.2	71.6	10.6	66.5	.60	79.5	80.1	„	0.0					
Noon.	.905	.254	84.4	72.2	12.2	66.6	.56	81.0	80.2	W	0.0	None.				
1 p. m.	.889	.194	84.3	73.5	10.8	68.6	.61	81.5	80.2	WNW	0.4					
2 „	.870	.183	84.7	73.4	11.3	68.2	.59	82.0	80.4	„	0.8					
3 „	.839	.159	83.9	73.0	10.9	67.9	.60	81.5	80.5	„	0·6					
4 „	.832	.144	83.2	73.6	10.2	68.3	.62	81.2	80·5	„	0.8					
5 „	.825	.157	81.7	72.0	9.7	67.4	.63	80.6	80.6	NW b W	0.7					
6 „	.835	.137	79.0	72.0	7.0	68·7	.72	79.0	80.6	NW	0.6					
7 „	.847	.147	77.8	72.0	5.8	68.8	.73	78.0	80.5	„	0.3					
8 „	.870	.152	77.2	72.0	5.2	69.6	.78	77.7	80.4	„	0.2					
9 „	.887	.165	76.8	72.0	4.8	69.8	.80	77.3	80.3	„	0.5					
10 „	.901	.177	76.6	72.0	4.6	69.9	.82	77.0	80.3	NW b W	0.3		+	2		Above 10m.
11 „	.900	.172	76.3	72.0	4.3	70.0	.82	76.7	80.3	NW	0.3		+	8	6	2.25

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
0	B	A few along E hor.	
0	G	Pieces of clouds and light haze along E hor.	
0	G	" " "	
0	G	" " "	
0	G	Cloudless.	
0	N	"	
0	N	"	
0	N	"	
0	N	"	
0	B	"	
0	B	"	
0	B	A few pieces of along E hor.	
2	B	scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 81°3 and 83°0.
4	G	" "	
4	G	" "	
2	G	" "	
2	G	scattered about hor., moving E.	
3	N	" "	
4	N	scattered about hor., moving E; fog along E hor.	
3	N	" " "	
2	N	scattered around hor.	
3	B	scattered about, moving SE.	
2	B	" "	
2	B	scattered about, moving SE.	
3	B	scattered about, moving SE.	
1	G	Patches of scattered around hor.	
1	G	" " "	
0	G	Cloudless.	
0	G	"	
0	B	A few pieces of in E hor.	
3	B	scattered about, moving SE.	
6	B	scattered throughout, moving ESE.	
6	B	scattered about, moving E.	
7	B	" "	
7	B	" "	
6	B	" "	
4	C	Light scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 81°3 and 83°0. This was the 12th day on which the direction of wind was abnormal.
2	B	" "	
5	B	" "	
4	B	Light scattered about; dew falling.	
2	B	Patches of light scattered about hor.; dew falling.	
2	N	scattered about hor.; dew falling.	
3	N	Light scattered about, moving E.	
3	N	" "	
3	N	" "	
3	C	" "	
1	C	scattered about NW hor.	
0	C	A few pieces of in N hor.	
0	C	Cloudless.	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	B	"	
0	B	"	
0	B	"	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet-Bulb Thermometer.	Thermometers. Depression of Wet-Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar.26th-Midnight	29.898	29.162	76°2	72°2	4°0	70°4	0.83	76°6	80.2	NW	0.4		+	2		Above 10m.
1 a. m.	.889	.164	75.9	71.8	4.1	69.9	.83	76.4	80.2	NW b N	0.5		+	1		
2 „	.805	.159	75.0	71.0	4.0	69·1	.83	75.7	80.1	„	0.2		+	1		
3 „	.858	.141	74.0	71.0	3.0	69.6	.87	75.0	80.0	N	0.2					
4 „	.858	.155	73.4	70.4	3.0	69.0	.87	74.6	80.0	„	0.1					
5 „	.868	.137	73.2	71.2	2.0	70.2	.91	74.2	79.9	„	0.1					
6 „	.892	.187	72.6	70.2	2.4	69.0	.90	73.8	79.8	„	0.1					
7 „	.912	.192	73.7	71.0	2.7	69.7	.88	74.5	79.7	„	0.0					
8 „	.943	.231	76.7	71.7	5.0	69.3	.79	76.3	79.7	„	0.2					
9 „	.964	.237	79.7	73.0	6.7	70.0	.73	78.3	79.7	NNW	0.2					
10 „	.967	.265	82.0	73.0	9.0	68.9	.66	79.9	79.9	NW	0.2	None.				
11 „	.963	.251	82.8	73.5	9.3	69.3	.65	80.3	80.0	„	0.5					
Noon.	.934	.195	83.8	74.5	9.3	70.5	.66	81.1	80.1	„	0.5					
1 p. m.	.894	.143	84.4	75.0	9.4	71.0	.65	82.0	80.3	NW b W	0.7					
2 „	.870	.146	85.0	75.0	10.0	70.7	.64	82.2	80.5	„	0.8					
3 „	.843	.101	84.5	74.8	9.7	70.6	.65	82.5	80.6	„	0.8					
4 „	.833	.074	83.6	75.0	8.6	71.3	.68	82.0	80.7	„	0.7					
5 „	.835	.045	81.2	75.1	6.1	72.6	.76	80.8	80.7	NW	0·8					
6 „	.847	.070	79.2	74.2	5.0	72.0	.80	79.5	80.6	„	0.7		+	1		Above 10m.
7 „	.861	.059	78.0	74.5	3.5	73.0	.85	78.3	80°6	„	0.5		+	1		
8 „	.884	.102	77.4	73.8	3.6	72.2	.85	78.0	80.5	NW b N	0.4		+	1		
9 „	.896	.111	77.2	73.8	3.4	72·4	.86	77.7	80.5	„	0.3		+	1		
10 „	.910	.128	77.4	73.8	3.6	72.2	.85	77.8	80.5	„	0.3					
11 „	.913	.149	77.0	73.2	3.8	71.5	.84	77.6	80.4	NW	0.3					
Mar.28th-Midnight	.879	.122	77.0	73.0	4.0	71.2	.83	77.3	80.6	NW	0.6					
1 a. m.	.846	.072	76.4	73.4	3.0	71.9	.87	77.1	80.6	„	0.4					
2 „	.831	.059	75.6	73.0	2.6	71·8	.89	76.7	80.5	„	0.1					
3 „	.817	.048	74.6	72.6	2.0	71.7	.91	75.8	80.4	„	0.1					
4 „	.813	.029	74.5	73.0	1.5	72.3	.93	75.5	80.3	„	0.1					
5 „	.823	.075	73.8	71.8	2.0	70.9	.91	74.8	80.3	„	0.1					
6 „	.833	.080	74.0	72.0	2.0	71.1	.91	75.0	80.2	N b W	0.0		+	6	6	0·07
7 „	.860	.138	74.4	71.2	3.2	69.8	.86	75.3	80.2	„	0.1		+	2	2	0·10
8 „	.873	.120	78.0	73.2	4.8	71.1	.80	77.6	80.1	„	0.1					
9 „	.884	.136	81.2	74.0	7.2	70.9	.72	79.0	80.2	„	0.2					
10 „	.882	.161	83.6	74.0	9.6	69.7	.65	81.0	80.5	NNW	0.3					
11 „	.872	.110	84.8	75.4	9.4	71.4	.66	82.0	80.7	NW b W	0.1	None.				
Noon.	.846	.063	85.0	76.0	9.0	72.3	.67	82.5	80.8	W b N	0.2					
1 p. m.	.836	.021	85.6	77.0	8.6	73.5	.68	83.0	80.8	WNW	0.6					
2 „	.801	.945	86.7	78.3	8.4	75.1	.69	84.0	81.0	W	0.4					
3 „	.791	.908	86.9	79.0	7.9	76.0	.71	84.0	81.1	„	0.5					
4 „	.786	.924	85.0	78.0	7.0	75.3	.74	83.3	81.2	„	0.8					
5 „	.756	.903	82.2	77.0	5.2	75.0	.80	81.8	81.2	WNW	1.0					
6 „	.779	.944	80.3	76.0	4.3	74.3	.83	80.1	81.2	NW b W	0.7					
7 „	.793	.958	79.5	75.8	3.7	74.3	.85	80.0	81.1	„	0.4					
8 „	.811	.001	79.0	75.0	4.0	73.3	.84	79.3	81.0	„	0.4					
9 „	.827	.010	78.4	75.0	3.4	73.6	.86	79.0	81.0	NW b N	0.2					
10 „	.835	.016	78·2	75.0	3.2	73.7	.87	78.8	81.0	NW	0.5					
11 „	.832	.974	78.2	76.0	2.2	75.1	.91	78.7	81.9	„	0.2					
Mar.30th-Midnight	.843	.060	78.0	74.0	4.0	72.3	.83	78.4	81.3	NW	0.0					
1 a. m.	.843	.070	77.2	73.5	3.7	71.9	.84	78.0	81.2	„	0.0					
2 „	.839	.029	77.6	74.6	3.0	73.3	.87	78.0	81.2	„	0.0					
3 „	.831	.021	77.6	74.6	3.0	73.3	.87	78.0	81.2	„	0.0					
4 „	.824	.020	76.7	74.2	2.5	73.1	.89	77.3	81.1	„	0.0					
5 „	.822	28.989	76.9	75.0	1.9	74.2	.92	77.7	81.1	„	0.0	None.	None.	None.	None.	None.
6 „	.843	29.004	76.4	75.0	1.4	74.4	.94	77.3	81.0	„	0.0					
7 „	.868	.014	78.5	76.0	2.5	75.6	.90	78.8	81.1	„	0.1					
8 „	.875	.037	80.7	76.2	4.5	74.4	.82	80.0	81.1	„	0.2					
9 „	.892	.051	83.3	77.0	6.3	74.5	.76	81.9	81.3	„	0.2					
10 „	.893	.022	84.2	78.0	6.2	75.6	.76	82.5	81.4	NW b W	0.2					
11 „	.883	.025	85.4	78.0	7.4	75.1	.72	83.1	81.5	NW	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are; ⌒i cirri; ⌒⌒i cirro-cumuli; ⌒⌒i cumuli; ⌒⌒i cirro-strati; ⌒⌒i cumulo-strati; and ⌒⌒i nimbi.	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°2. This was the 6th day on which the sky remained almost cloudless.
0	C	"	
0	C	Cloudless; dew falling.	
0	C	A few pieces of clouds above W hor.; dew falling.	
0	C	" " "	
0	N	Cloudless; dew falling.	
0	N	" "	
0	N	Mist around hor.	
0	N	"	
0	B	"	
0	B	"	
0	B	Cloudless.	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	N	"	
0	N	"	
0	N	"	
0	N	"	
0	N	"	
0	N	"	
0	N	"	
5	B	⌒⌒i scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 81°6 and 83°3.
6	C	⌒⌒i scattered about, moving SE; dew falling.	
1	C	⌒⌒i scattered around hor.; dew falling.	
0	C	Cloudless; dew falling.	
0	C	" "	
0	N	" "	
0	N	" "	
0	N	Mist around hor.	
0	N	" "	
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	A few pieces of ⌒⌒i in N hor.	
0	C	Cloudless.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	Cloudless; dew falling.	
0	C	A few pieces of ⌒⌒i along E hor.; dew falling.	
0	C	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°8 and 83°3.
1	B	⌒⌒i scattered along E hor.; dew falling.	
6	B	⌒⌒i scattered throughout, moving NW; dew falling.	
6	B	" " "	
4	B	⌒⌒i scattered about, moving NW; dew falling.	
1	N	⌒⌒i scattered about E and SE hor.; dew falling.	
2	N	⌒⌒i scattered from NE to S hor.; thick haze around hor.	
2	N	" " "	
4	N	⌒⌒i scattered about; mist around hor.	
4	C	⌒⌒i scattered about, moving SW; mist around hor.	
2	C	⌒⌒i scattered along W hor.; mist in E.	
2	C	⌒⌒i scattered about hor.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 30th-Noon.	29.869	29.021	87°8	78°4	9°4	74.8	0.67	84°5	81°7	SW	0.1					
1 p. m.	.850	28.987	88.7	79.0	9.7	75.3	.66	85.0	81.7	W	0.4					
2 „	.837	29.021	89.2	78.0	11.2	73.6	.61	85.6	81.9	W b S	0.5					
3 „	.817	.067	86.6	75.6	11.0	71·0	.61	84.4	82·0	W	0.3					
4 „	.812	.067	86·7	75.5	11.2	70·7	.60	84.4	82.1	„	0·2	None.	None.	None.	None.	None.
5 „	.812	.063	84.5	75.0	9.5	70.9	.65	83.0	82.1	W b S	0.1					
6 „	.830	.064	83.0	75.0	8.0	70.9	.70	82.1	82.1	„	0.0					
7 „	.847	.089	81.3	74.3	7.0	71.6	.73	81.2	82.0	„	0,0					
8 „	.864	.109	80.5	74.0	6.5	73.3	.74	80.8	82.0	WSW	0.0					
9 „	.895	.130	79.6	74.0	5.6	71.2	.78	80.0	81.9	„	0.0					
10 „	.899	.127	79.0	74.0	5.0	71.6	.80	79.6	81.9	W b S	0.0					
11 „	.893	.107	78.4	74.2	4.2	72.4	.85	79.1	81.8	„	0.0					
Apr. 1st-Midnight	.838	29.026	78.8	75.0	3.8	73.4	.84	79.2	82.1	NW b N	0.3					
1 a. m.	.809	28.965	78.6	75.8	2.8	74.6	.88	79.1	82.0	„	0.4					
2 „	.793	.972	78.0	75·0	3.0	73.8	.87	78.9	82.0	„	0.0					
3 „	.782	·959	77.8	75.0	2.8	73.8	.88	78.6	81.9	„	0.0					
4 „	.781	.915	78·2	76.2	2.0	75.4	.92	78.9	81.9	„	0.3					
5 „	·797	.929	78.0	76.2	1.8	75.5	.92	78.9	81.7	„	0.0					
6 „	.821	.946	77.4	76.2	1.2	75.8	·95	78.4	81.7	„	0.0					
7 „	.843	.972	78·0	76.3	1.7	75.6	.93	78.8	81.6	„	0.1					
8 „	.860	.981	79.8	77.0	2·8	75.9	.88	79.8	81.6	WNW	0.2					
9 „	.881	29.002	81.7	77.5	4.2	75.9	.83	81.0	81.7	„	0.2					
10 „	.883	.003	83.4	78.0	5.4	75.9	.79	81.9	81.9	NW b N	0.3					
11 „	.873	28.965	84.6	79·0	5.6	76.9	.79	82.9	82.0	„	0.3					
Noon.	.842	.949	86.0	79.0	7.0	76.4	.74	83.7	82.1	NW	0.2					
1 p. m.	.797	.905	86.8	79.2	7.6	76.3	.72	84.3	82.2	„	0.4	None.	None.	None.	None.	None.
2 „	.759	.930	88.0	78.0	10.0	74.1	.65	85.2	82.4	„	0.7					
3 „	.754	.893	88.2	78.8	9.4	75.2	.67	85.5	82.6	NW b W	0.5					
4 „	.743	·903	87.6	78.0	9.0	74.5	.67	85.0	82.7	„	0.6					
5 „	.753	.931	85.0	77.0	8.0	73.8	.70	83.6	82.6	„	0.8					
6 „	.767	.949	82.6	76.2	6.4	73.6	.75	82.2	82.6	„	0.8					
7 „	.787	.966	81.5	76.0	5.5	73.8	.78	81.2	82.5	„	0.6					
8 „	.807	.991	80.6	75.6	5.0	73.6	.80	80.9	82.5	„	0.3					
9 „	.823	.993	80.0	75.8	4.2	74.1	.83	80.3	82.5	NW	0.5					
10 „	.826	.999	79.6	75.6	4.0	74.0	.84	80.0	82.5	„	0.4					
11 „	.820	29.007	79.5	75.2	4.3	73.5	.83	80.0	82.4	NW b N	0.2					
Apr. 2nd-Midnight	.813	28.996	78.4	75.0	3.4	73.6	.86	79.3	82.3	NW b N	0.0					
1 a. m.	.803	.984	78·2	75.0	3.2	73.7	.87	79.0	82.3	„	0.0					
2 „	.789	.997	77.2	74.0	3.2	72.7	.87	78.2	82.2	„	0.0					
3 „	.783	29·015	77.0	73.3	3.7	71.7	·84	78.0	82.1	„	0.0					
4 „	.783	28.936	77.8	75.6	2.2	74.7	.91	78.5	82.0	„	0.0					
5 „	.785	.919	78.2	76.2	2.0	75.4	.92	79.0	82.0	„	0.0					
6 „	.802	.953	78·0	75.7	2.3	74.8	.90	79.0	82.0	WNW	0.0					
7 „	.826	.975	78.8	76.0	2.8	74.9	.88	79.0	82.0	W	0.1					
8 „	.846	.976	80·6	77.0	3.6	75.6	.85	80.4	82.0	„	0.1					
9 „	.858	.985	83.4	77.8	5.6	75.7	.78	82.1	82.1	NW b W	0.1					
10 „	.852	.980	85.2	78.3	6.9	75.6	.74	83.1	82.3	„	0.3					
11 „	.838	·951	85.8	78.8	7.0	76.2	.74	83.8	82.5	W b S	0.2					
Noon.	.823	.901	87.2	80.0	7.2	77.4	.74	84.7	82.6	W	0.1	None.	None.	None.	None.	None.
1 p. m.	.804	.891	88·0	80.0	8.0	77.1	.71	85.0	82.6	W b S	0.3					
2 „	.777	.955	88.6	78.0	10.6	73.8	.63	85.6	82.6	W b N	0.7					
3 „	.740	.992	89.6	76.4	13.2	70.9	.56	86.3	82.8	WNW	1.5					
4 „	.728	29.008	88.6	75.4	13.2	69.7	.55	86.8	82.9	„	1.5					
5 „	.723	28.964	87.2	76·0	11.2	71.3	.60	85.3	83.0	„	0.8					
6 „	.735	.912	84.2	76.8	7.4	73.8	.72	83.9	83·0	„	1.2					
7 „	.754	.949	83.0	76.0	7.0	73.2	.73	82.9	83.0	„	1.0					
8 „	·774	.960	82.2	76.0	6.2	73.5	.76	82.1	83.0	NW b W	0.8					
9 „	.812	.992	81.6	76.0	5.6	73.7	.78	81.5	82.8	„	0.0					
10 „	.814	29.045	81.0	74.5	6.5	71.7	.74	81.0	82.7	„	0.1					
11 „	.810	.053	80.4	74.0	6.4	71·2	.75	80.6	82.7	NW	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ∿i cirro-cumuli; ∩i cumuli; ⌣i cirro-strati; ∩⌣i cumulo-strati; and ∿⌣i nimbi.	Remarks.
1	C	∿i scattered along E hor.	
1	B	" "	
2	B	∿i scattered about hor. from NE to S.	
3	B	∿i scattered about hor.	
2	B	" "	
3	C	∿i scattered here and there.	
4	C	" "	
3	C	∿i scattered about hor.	
3	C	∿i scattered about, moving ESE.	
2	C	" "	
3	C	∿i scattered around hor.	
4	C	∿i scattered about, moving ESE.	
3	B	∿i scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 83°3. At 10 A. M. the reading of Barometer was 29.883, highest during the month.
4	C	∿i scattered about hor.; dew falling.	
6	C	Dense ∿i scattered throughout, moving SE; dew falling.	
7	C	" " "	
7	C	" " "	
5	N	∿i scattered about, moving W; dew falling.	
6	N	∿i and light ∿i scattered about, the latter moving SW; mist and fog around hor.	
6	N	Light ∿i in E hem., moving SSE; ∿i scattered here and there.	
5	N	∿i and light ∿i scattered about, the latter moving SSE.	
3	B	∿i scattered about hor.	
3	B	∿i around hor.; light ∿i scattered here and there, moving SE.	
1	B	∿i scattered around hor.	
0	B	A few ∿i scattered about S hor.	
0	C	Light haze along E hor.	
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	A few ∿i scattered in W hor., moving SE.	
0	C	∿i scattered about, moving SE.	
0	C	" "	
3	C	∿i scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 83°5.
3	B	∿i scattered about hor.; dew falling.	
2	B	" " "	
4	B	∿i scattered about, moving NE; dew falling.	
4	B	∿i scattered about, moving N; dew falling.	
6	N	∿i scattered about, moving NW; dew falling.	
6	N	" " "	
6	N	∿i scattered about, moving N.	
6	N	" "	
4	C	∿i scattered about, moving W; mist in hor.	
1	C	∿i scattered above NW hor.; mist in hor.	
0	C	Mist around hor.	
0	C	Cloudless.	
0	B	"	
0	B	"	
0	B	"	
0	B	Light haze along E hor.	
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	"	
0	B	A few clouds above SE hor.	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 3rd-Midnight	29.795	29.032	79°8	74°0	5°8	71°5	0.77	80°0	82°7	NW	0.0					
1 a. m.	.775	28.965	79.0	75.0	4.0	73.3	.84	79.7	82.7	,,	0.0					
2 ,,	.767	.983	78.6	74.2	4.4	72.3	.82	79.2	82.6	,,	0.0					
3 ,,	.761	.978	78.4	74.0	4.4	72.3	.82	79.2	82.5	,,	0.0					
4 ,,	.765	.982	78.4	74.0	4.4	73·0	.82	79.0	82.5	,,	0.0					
5 ,,	.776	.977	78.3	74.5	3.8	73.0	·84	78.8	82.3	,,	0.0					
6 ,,	.782	·987	77.6	74.2	3.4	72.8	.86	78.5	82.4	,,	0.0					
7 ,,	.797	.957	79.8	76·0	3.8	74.5	.85	79.5	82.4	,,	0.0					
8 ,,	.830	.977	82.2	77.2	5.0	75.0	.80	81.3	82.4	,,	0.2					
9 ,,	.856	·981	84.4	78.2	6.2	75.8	.76	82.9	82.5	,,	0·3					
10 ,,	.840	.943	85.6	79.0	6.6	76.5	.75	84.0	82.6	NW b W	0.4					
11 ,,	.829	29.023	87.6	77.3	10.3	73.2	.64	85.0	82.7	,,	0.5	None.			None.	
Noon.	.808	.028	88.8	77.0	11.8	72.2	.59	85.6	82.8	,,	0·8					
1 p. m.	.762	.033	89.2	75.8	13.4	70.1	.55	86.2	83.0	NW b N	1.5				None.	
2 ,,	.732	.066	89.8	74.6	15.2	67.8	.50	86·8	83.2	NNW	2.0					
3 ,,	.714	.022	89.3	74.3	15.0	68.5	.50	86.7	83.3	,,	1.7		+	1		Above 10m.
4 ,,	.702	.020	88.6	74.4	14.2	68.0	.52	86.4	83.3	,,	1.8		+	1		Above 10m.
5 ,,	.716	·046	86.6	73.5	13.1	67.5	.55	85.0	83.3	NW b N	0.7					
6 ,,	.725	.016	84.8	74.0	10.8	69.2	.61	83·6	83.3	,,	0.7					
7 ,,	.746	28.998	82.6	74.4	8·2	70.9	.69	82.7	83.2	,,	0.8					
8 ,,	·760	29.034	81.5	73·5	8.0	69.9	.69	81.8	83.1	,,	0.2					
9 ,,	.764	.010	80.6	74.0	6.6	71.1	.74	81.0	83.1	,,	0.2					
10 ,,	.773	.011	80.6	74.2	6.4	71.4	.75	81.0	83.0	,,	0.5					
11 ,,	.771	.010	80.0	74.0	6.0	71.4	.76	80.5	83.0	,,	0.6					
Apr. 4th-Midnight	.763	.016	79.6	73·5	6.1	70.8	.75	80.2	82.9	NW b N	0.0					
1 a. m.	.762	28.996	79·5	74.0	5.5	71.6	.78	79.9	82.8	,,	0.0					
2 ,,	.755	.979	78.6	74.0	4.6	72·0	.81	79.1	82.7	,,	0.0					
3 ,,	.750	.962	78·2	74.2	4.0	72.5	.83	79.0	82.7	,,	0.1					
4 ,,	.758	.948	79.0	75.0	4.0	73.3	·84	79.4	82.6	,,	0·1					
5 ,,	.761	.923	78.6	75.6	3.0	74.4	·88	79.4	82.7	,,	0.0					
6 ,,	.787	.942	78.0	75.6	2.4	74.7	.90	79.0	82.6	,,	0.0					
7 ,,	.817	.946	79·8	76.8	3.0	75.6	.88	80.2	82.5	WNW	0.0					
8 ,,	.848	.991	81.1	76.8	4.3	75.1	.83	80.8	82.6	SW b W	0.0					
9 ,,	.858	29.014	83.0	77.0	6.0	74.6	.77	82.0	82.7	,,	0·1					
10 ,,	.855	28.989	84.6	78.0	6.6	75.4	.75	83.0	82.8	SW	0.1					
11 ,,	.837	.979	86.5	78.3	8.2	75.1	.70	84.1	83.0	SW b S	0.1	None.	None.	None.	None.	None.
Noon.	.813	.933	87.2	79.0	8.2	75.9	.70	85.0	83.0	SW	0.2					
1 p. m.	·794	.926	88.3	79.0	9.3	75.5	.67	85.3	83.0	,,	0.2					
2 ,,	.775	.902	87·8	79.0	8.8	75.7	.68	85.3	83.0	W	0.5					
3 ,,	.753	.908	86.5	78.0	8.5	74.7	.69	84.9	83.1	W b N	0.6					
4 ,,	.737	.886	86.0	78.0	8.0	74.9	.70	84.5	83.2	WNW	0.3					
5 ,,	.719	.871	84.5	77.5	7.0	74.8	.74	83.8	83.3	,,	0.2					
6 ,,	.731	.901	82.5	76.5	6.0	74.1	.77	82.6	83.3	,,	0.0					
7 ,,	.743	.900	81.3	76.5	4.8	74.6	.81	81.7	83.3	,,	0.3					
8 ,,	.761	.901	80.8	76.8	4.0	75·2	.84	81.4	83.2	,,	0.1					
9 ,,	.779	.952	79.2	75.5	3.7	74.0	.85	80.0	83.0	,,	0.0					
10 ,,	.782	.964	78.3	75.0	3.3	73.6	.86	79.2	82.9	,,	0.0					
11 ,,	.779	.898	79.6	77.0	2.6	76.0	.89	80.0	83.0	,,	0.3					
Apr. 5th-Midnight	.774	.925	79.0	76.0	3.0	74.8	.88	79.7	82.9	NW	0.2					
1 a. m.	.744	.918	77.5	75.0	2.5	74.0	.89	79.0	82.9	,,	0.0					
2 ,,	.726	.896	77.2	75.0	2.2	74.1	.91	78.6	82.8	,,	0.0					
3 ,,	.714	.879	76.7	75.0	1.7	74.3	.93	78.1	82.7	,,	0·0					
4 ,,	.718	.897	76.3	74.5	1.8	73.8	.92	77.9	82.6	,,	0.0					
5 ,,	.724	·943	75.5	73.2	2.3	72.2	.90	77.1	82.5	,,	0.0	None.			None.	
6 ,,	.743	.963	75.4	73.0	2·4	72.2	.90	77·0	82.5	,,	0·0					
7 ,,	.771	·976	77.6	74.2	3.4	72.8	.86	78.2	82·4	,,	0.0					
8 ,,	.803	29.002	80.6	75·2	5.4	73.0	.78	80.0	82.5	NW b W	0.1					
9 ,,	.827	.048	82.6	76.2	7.4	72·1	.72	80.9	82.5	S b E	0.2					
10 ,,	.824	.017	84.6	76.5	8.1	73.2	.70	82.0	82.6	,,	0.3					
11 ,,	.820	.007	86.6	77.2	9.4	73·5	.66	83.5	82.6	S b W	0.2		+	1		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
1	B	scattered along E hor.; lightning in SE hor. at intervals of 1m. 17s.	Mean daily temperature of ground 20 and 60 inches below its surface 82°9 and 83°6.
2	C	scattered about hor.; in W and zenith; lightning along E hor. at intervals of 37s.	
3	C	scattered about, moving NW.	
3	C	" "	
5	C	scattered about, moving N; a few drops of rain at 4h. 3m.	
7	G	scattered about, moving N; lightning in S hor. in every 15s.	
4	G	and in SE and S hor; scattered about hor. and in S hem.	
2	G	A bank of clouds and mist around hor.; loose masses of scattered here and there, moving NNE.	
2	G	" " " "	
2	B	A bank of clouds and mist around hor.	
3	B	scattered about, moving N; mist around hor.	
3	B	scattered about, moving N; haze along E hor.	
1	B	" " "	
2	C	scattered in E hem.; haze along E hor.	
1	C	" "	
0	C	Haze along E hor. " "	
0	C	" "	
0	B	A few in E hor.	
1	B	in SE hor.; scattered along W hor.; lightning in S hor.	
1	B	" " " "	
1	B	scattered about hor.; lightning in SE hor. every minute.	
3	C	scattered about hor.; lightning from SE to S hor. every minute.	
3	C	scattered about hor; lightning in S hor.	
3	C	scattered about, moving N.	
2	C	scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 83°6.
2	B	" "	
2	B	" "	
4	B	scattered about, moving SE.	
3	B	" "	
4	N	and scattered about, the latter moving SE.	
7	N	" " "	
7	N	" " "	
5	N	" " "	
1	C	scattered about N hor.; mist and fog in hor.	
4	C	Light scattered about, moving N; haze along E hor.	
5	C	" " "	
4	C	Light scattered about, moving NE; haze along E hor.	
0	B	A few pieces of scattered here and there.	
0	B	A few pieces of above E hor.	
0	B	" "	
0	B	Cloudless.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	B	"	
0	B	Cloudless; dew falling.	
0	B	" "	
0	B	A few above S hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 83°7. At 5 A. M. temperature of air was 75.4, lowest during this month; it was the 13th day on which the wind blew abnormally.
0	C	Cloudless; dew falling.	
0	C	" "	
0	C	" "	
0	C	" "	
0	N	A few pieces of clouds along E hor.; dew falling.	
2	N	Loose scud scattered here and there.	
2	N	Light scattered about, moving SE.	
2	N	" " " "	
0	B	Haze along E hor.	
0	B	" "	
0	B	" "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in the recovering same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 5th-Noon.	29.795	28.987	87°8	77°4	10°4	73°3	0.63	84°4	82°7	SSW	0.2		+	1		Above 10m.
1 p. m.	.757	.977	88.8	77.0	11.8	72.2	.59	85.5	82.8	SW b W	0.3		+	1		Above 10m.
2 ,,	.721	.931	89.0	77.3	11.7	72.6	.60	85.9	83.0	,,	0.2		+	1		Above 10m.
3 ,,	.703	.892	89·6	78.0	11.6	73.4	.60	86.2	83.2	,,	0.2					
4 ,,	.697	.908	88.0	77.0	11.0	72.6	.61	85.7	83.4	W	0.1	None.			None.	
5 ,,	.708	.920	85.6	76.3	9.3	72.5	.66	84.2	83.3	W b N	0.2					
6 ,,	.721	.875	82.8	77.0	5.8	74.7	.78	82.5	83.2	WNW	0.1				None.	
7 ,,	.733	.902	81·4	76.2	5.2	74.1	.79	81.5	83.1	,,	0.0					
8 ,,	.745	.913	80.5	76.0	4.5	74.2	.82	81.1	83.0	,,	0.0					
9 ,,	.759	.921	80.0	76.0	4.0	74.4	.84	80.7	83.0	,,	0.0					
10 ,,	.775	.923	79.5	76.2	3.3	74.9	.87	80.2	83.0	,,	0.2					
11 ,,	.765	.923	79.6	76.0	3.6	74.6	.85	80.3	83.0	NW	0.4					
Apr. 6th-Midnight	.765	.952	78·7	75.0	3.7	73.5	.85	79.6	82.9	NW	0.1					
1 a. m.	.745	.982	77.5	73.3	4.2	71.5	.82	78.3	82.8	,,	0.0		+	2	2	Above 10m.
2 ,,	.731	.936	76.9	74.0	2.9	72.8	.88	78.0	82.7	,,	0.0		+	2	2	2.00
3 ,,	.728	.964	76.4	73.0	3.4	71.5	.85	77.0	82.6	,,	0·1		+	1		Above 10m.
4 ,,	.732	.937	77·6	74.2	3.4	72.8	.86	78.0	82.5	NNE	0.1					
5 ,,	.742	.984	76.9	73.0	3.9	71.3	.84	77.8	82.5	ENE	0.1					
6 ,,	.763	29.018	76.8	72.6	4.2	70.7	.82	77.6	82.5	,,	0.1					
7 ,,	.783	28.993	78.8	74.4	4.4	72.6	.82	79.0	82.4	,,	0.1					
8 ,,	.799	.990	81.2	75.6	5.6	73.3	.78	80.5	82.4	,,	0.0					
9 ,,	.823	29.133	83.0	73.0	10·0	68.4	.63	81.6	82.5	NNW	0.0					
10 ,,	.812	.094	84.4	74.0	10.4	69.6	.62	82.5	82.6	NW	0·0					
11 ,,	.804	.085	86.2	74.7	11.5	69.7	.59	83.0	82.7	W b N	0.0					
Noon.	.778	.023	86.8	75.8	11.0	71·2	.61	83.8	82·8	W	0.1	None.				
1 p. m.	.771	28.997	89.4	77.0	12.4	71.9	.57	85.9	82.9	,,	0.2					
2 ,,	.746	.968	89.0	77·0	12.0	72.1	.59	85.8	82.9	,,	0.2					
3 ,,	.717	.950	88.6	76.6	12.0	71.6	.59	85.9	83.0	W b N	0.5					
4 ,,	.709	.937	87.8	76.5	11.3	71.8	.60	85.5	83.1	WNW	0.6					
5 ,,	.688	.929	85.8	75.6	10.2	71.3	.63	84·5	83·2	,,	0.5					
6 ,,	.700	.943	83.8	75.0	8.8	71.2	.61	83.3	83.2	,,	0.4					
7 ,,	.714	.917	82.3	75.6	6.7	72.9	.74	82.2	83.2	NW b W	0.3					
8 ,,	.728	.918	81.8	75.8	6·0	73.5	.76	81.8	83.2	,,	0.4					
9 ,,	.744	.903	81.5	76.5	5.0	74.5	.80	81.5	83.1	,,	0.5					
10 ,,	.757	.895	80·6	76.8	3.8	75.3	.85	81.0	83.1	,,	0.8					
11 ,,	.746	.906	79.8	76.0	3.8	74.5	.85	80.5	83.0	NW	0.6					
Apr. 8th-Midnight	.750	.903	79.2	76.0	3.2	74.7	.87	80.0	83.0	NNW	0.3					
1 a. m.	.728	.911	78.4	75.0	3.4	73.6	.86	79.0	82.9	,,	0.3					
2 ,,	.718	.918	78.2	74.5	3.7	73.0	.85	78.7	82.8	,,	0.1					
3 ,,	.706	.889	77.0	74.6	2.4	73.6	.90	77.5	82.7	N b W	0.1		−			
4 ,,	.706	.908	76.6	74.0	2.6	72.9	.89	77.0	82.5	,,	0.1					
5 ,,	.736	.970	76.2	73.0	3.2	71.6	.87	77.0	82.5	,,	0.0					
6 ,,	.761	29.006	75.5	72.5	3.0	71.2	.87	76.6	82.5	,,	0.0					
7 ,,	.777	28·998	78.4	74 0	4.4	72.1	.82	78.5	82.3	,,	0.0					
8 ,,	.800	29.057	81.6	74.0	7.6	70.7	.71	80.4	84.4	,,	0.1					
9 ,,	.804	28.992	83.8	76.4	7.4	73.4	.72	82.0	82.5	,,	0.1					
10 ,,	.804	.932	85.0	77.0	8.0	73.8	.70	83.0	82.7	NNW	0.1					
11 ,,	.785	.930	85.6	78.0	7.6	75.0	.72	83.8	82.8	NW b W	0.2	None.	None.	None.	None.	None.
Noon.	.765	.897	86.8	78.6	8.2	75.5	.70	84.8	82.8	,,	0.2					
1 p. m.	.738	.856	87.0	79.0	8.0	76.0	.71	85.0	82.9	,,	0.6					
2 ,,	.709	.827	87.0	79.0	8.0	76.0	.71	85.0	83.0	,,	1.0					
3 ,,	.685	.806	87.3	79.0	8.3	75.9	.70	85.0	83.0	,,	1.0					
4 ,,	.663	.883	87·0	76.5	10.5	72·2	.63	85.0	83.0	NW	1.0					
5 ,,	.678	.953	85.5	74.5	11.0	69.7	.61	84.0	83.0	,,	0.8					
6 ,,	.690	.922	83.8	75.3	8.5	71.7	.68	83.0	83.0	,,	0.3					
7 ,,	.710	.914	82.4	75.6	6.8	72.8	.74	82.1	83.0	NW b N	0.3					
8 ,,	.722	.917	81.6	75·6	6.0	73.2	.77	81.5	83.0	,,	0.5					
9 ,,	.737	.912	81.2	76.0	5.2	73.9	.79	81·4	83.0	,,	0.6					
10 ,,	.747	.956	80.7	75.0	5.7	74·6	.77	81.0	82.9	,,	0.3					
11 ,,	.739	.947	80.6	75.0	5.6	74.7	.78	81.0	82.9	,,	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
0	B	Haze along E hor.	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	C	"	
0	B	"	
0	B	A few above SE hor.	
0	B	" "	
0	B	Cloudless.	
0	C	Cloudless; dew falling.	
0	C	" "	
2	C	Light scattered about hor., moving SE.	
2	C	scattered about hor., moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°3 and 83°7. This was the 7th day on which the sky remained almost cloudless.
0	G	Cloudless, except in hor.	
0	G	Cloudless; dew falling.	
0	G	" "	
0	G	" "	
0	N	" "	
0	N	A few above E hor.; light mist along E hor.	
0	N	" "	
0	N	Mist around hor.	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	N	"	
0	N	"	
0	N	"	
0	N	"	
0	N	"	
0	N	"	
0	N	"	
0	C	Cloudless; dew falling.	
0	R	A few pieces of in E hem.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 83°5 and 83°7. This was the 14th day on which the wind blew abnormally.
0	R	" " "	
0	R	" " "	
0	R	" " "	
1	B	scattered along E hor.; dew falling.	
1	B	" " "	
1	B	scattered along E hor.; mist and fog in hor.	
1	B	" " "	
0	C	A few in E hor.; mist and fog in hor.	
0	C	Mist around hor.	
0	C	" "	
0	C	Cloudless.	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	A few light above SE hor.	
0	B	" "	
0	B	Cloudless.	
0	B	"	
0	C	"	
0	C	"	
0	C	"	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in the recovering same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 9th-Midnight	29.729	28.952	80°4	74°6	5°8	72°0	0.77	80°5	82.9	N b W	0.3					
1 a. m.	.714	.948	79.0	74.7	4.3	71.6	.82	79.5	82.7	„	0.2					
2 „	.714	.912	78.0	74.5	3.5	73.0	.85	79.0	82.7	„	0.1					
3 „	.708	.902	77.7	74.5	3.2	73.2	.87	78.5	82.5	„	0.1					
4 „	.708	.903	77.4	74.4	3.0	73.2	.87	78.0	82.5	„	0.1					
5 „	.725	.945	76.6	73.5	3.1	72.2	.87	77.5	82.5	„	0.0					
6 „	.744	.931	77.0	74.5	2.5	73.5	.89	78.0	82.4	„	0.0					
7 „	.764	.928	80.2	76.0	4.2	74.3	.83	80.1	82.5	„	0.1					
8 „	.787	.930	82.6	77.2	5.4	75.1	.79	81.7	82.6	„	0.1					
9 „	.787	.893	84.0	78.5	5.5	76.4	.79	83.0	82.7	NW	0.2					
10 „	.783	.897	84.8	78.5	6.3	76.1	.76	83.4	82.8	„	0.1					
11 „	.779	.884	85.8	79.0	6.8	76.5	.75	84.1	83.0	WNW	0.3					
Noon.	.756	.846	86.4	79.5	6.9	77.0	.74	84.7	83.0	„	0.6					
1 p. m.	.722	.840	87.0	79.0	8.0	76.0	.71	85.0	83.0	NW	1.0					
2 „	.694	.832	87.7	78.7	9.0	75.3	.68	85.5	83.1	„	1.0					
3 „	.665	.853	87.8	77.5	10.3	73.4	.64	85.7	83.3	„	1.4					
4 „	.649	.851	87.2	77.0	10.2	72.9	.64	85.4	83.4	„	1.0					
5 „	.663	.869	85.8	76.5	9.3	72.8	.66	84.8	83.5	„	0·8					
6 „	.670	.876	84.0	76.0	8.0	72.8	.70	83.5	83.4	„	0.8					
7 „	.682	.881	83.4	76.0	7.4	73.0	.72	83.0	83.4	„	0.8					
8 „	.706	.899	82.8	76.0	6.8	73.2	.74	82.8	83.4	„	0.3					
9 „	.719	.892	82.0	76.3	5.7	74·0	.78	82.0	83.4	„	0.5					
10 „	.736	.872	81.2	77.0	4.2	75.4	.83	81.5	83.3	„	1.5					
11 „	.729	.935	80.8	75.1	5.7	72.8	.78	81.1	83.3	„	0.7					
Apr. 10th-Midnight	.720	.943	81.0	74.7	6.3	72.0	.75	81.1	83.2	NW b N	0.4					
1 a. m.	.707	.905	79.7	75.0	4.7	73.0	.81	80.0	83.0	„	0.2					
2 „	.694	.897	78.5	74.5	4.0	72·9	.84	79.0	83.0	„	0.0					
3 „	.682	.897	77.8	74.0	3.8	72.4	.84	78.7	83.0	„	0.0					
4 „	.690	.900	77.4	74.0	3.4	72.6	.86	78.4	82.9	„	0.0					
5 „	.722	.957	77.3	73.3	4.0	74.6	.83	78.2	82.8	„	0.0					
6 „	.728	.955	77.6	73.6	4.0	71.9	.83	78.2	82.7	„	0.1					
7 „	.744	.895	80.8	76.5	4.3	74.8	.83	80·3	82.7	„	0.2					
8 „	.775	.914	84.3	77.8	6.5	75.2	.75	83.0	82.8	„	0.1					
9 „	.780	.956	87.0	77.6	9.4	73.9	.66	85.0	83.1	„	0.1					
10 „	.777	.950	88.2	78.0	10.2	74.0	.64	86.0	83.3	„	0.2					
11 „	.766	.855	88.2	80.0	8.2	77.0	.70	86.0	83.5	NW	0.3					
Noon.	.733	.864	88.2	79.0	9.2	75.5	.67	86.2	83.6	NW b W	0.5					
1 p. m.	.696	.886	89.7	78.0	11.7	73.3	.60	87.0	83.6	NW	0.6					
2 „	.668	.905	90.4	77.0	13.4	71.5	.55	87.5	83.6	„	1.0					
3 „	.636	.912	90.4	76.0	14.4	69.9	.52	87.8	83.8	NW b N	1.5					
4 „	.626	.876	89.4	76.4	13.0	71.0	.56	87.3	84.0	NW	1.3					
5 „	.627	.899	88.2	75.5	12·7	70.0	.56	86.3	84.0	„	1.5					
6 „	.646	.916	86.3	75.0	11.3	70.1	.60	85.3	84.0	„	1.0					
7 „	.665	.921	85.0	75.0	10.0	70.5	.64	84.4	84.0	NW b N	1.0					
8 „	.693	.917	83.9	75.5	8.4	72.0	.69	83.9	84.0	„	0.8					
9 „	.717	.912	83.0	76.0	7.0	73.2	.73	83.0	84.0	„	0.8					
10 „	.738	.965	82·4	75.0	7.4	71.9	.71	82.8	84.0	„	0.7		+	1		1.30
11 „	.730	.957	82.4	75.0	7.4	71.9	.71	82.6	83.9	„	0.6		+	1		1.10
Apr. 11th-Midnight	.718	.940	82.3	75.1	7.2	72.1	.72	82.3	83.8	WNW	0.6		+	1		2.35
1 a. m.	.706	.929	82.0	75.0	7.0	72.0	.73	82.0	83.7	„	0.2		+	4		3.00
2 „	.688	.911	81.0	74.7	6.3	72.0	.75	81.0	83.6	„	0.2		+	20	20	Above 10m.
3 „	.685	.924	80.0	74.0	6.0	71.4	.76	80.2	83.5	„	0.5					
4 „	.687	.956	79.4	73.0	6.4	70.2	.74	80.0	83.5	„	0.3					
5 „	.724	29.050	79.2	71.4	7.8	67.7	.69	79.7	83.5	„	0.1					
6 „	.749	.141	78.2	69.2	9.0	64.5	.64	78.9	83.4	„	0.0					
7 „	.770	.079	81.3	72.5	8.8	68.4	.67	80.8	83.3	„	0.0	None.				
8 „	.795	.200	85.0	71.0	14.0	63.9	.51	83.3	83.4	„	0.1					
9 „	.789	.198	88.6	72.0	16.6	63.7	.45	86.0	83.6	„	0.1					
10 „	.774	.013	90.5	77.0	13.5	71.4	.55	87.2	83.8	„	0.2					
11 „	.764	.030	91.6	76.6	15.0	70.7	.51	88.2	83.9	NW	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∩≀ cirro-strati; ∩∩ cumulo-strati; and ≀∩ nimbi.	
0	C	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 83°5 and 83°7.
1	R	A few ≀ along E hor.	
0	R	A few pieces of ≀≀ in E; dew falling.	
0	R	" "	
0	R	" "	
0	B	Cloudless; dew falling.	
0	B	" "	
0	B	Mist and fog in hor.	
0	B	" "	
0	C	" "	
0	C	A few pieces of ≀≀ in NW and E, moving SE; light mist along E hor.	
0	C	≀≀ scattered along W hor., moving SE.	
0	C	"	
0	R	A few pieces of ≀≀ in W hor. "	
0	R	Cloudless.	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 83°3 and 83°6. This was the 7th day on which lightning was observed after sunset.
0	R	"	
0	R	Cloudless; dew falling.	
0	R	" "	
0	R	" "	
0	B	" "	
0	B	A few ≀ along E hor.; mist and fog in hor.	
0	B	" " "	
0	B	" " "	
0	C	" " "	
0	C	Haze along E hor.	
0	C	≀ along E and SE hor.; light haze in E hor.	
1	C	≀ scattered along E and SE hor., light haze along E hor.	
2	R	≀ scattered about hor.	
2	R	" "	
1	R	≀ scattered along E and S hor.	
2	R	≀ scattered about hor.	
2	B	Light ≀ scattered about hor.	
3	B	≀≀ in ESE hor.; ≀ scattered about.	
3	B	≀ scattered about; lightning in SE after 7h. 30m. in every 2m. interval.	
2	B	≀ scattered about hor.; lightning in SE hor. every 1½m.	
1	C	≀ scattered along E hor.	
0	C	Cloudless.	
0	C	"	
0	C	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 83°5 and 33°7 At 2 P. M. temperature of air was 928, highest during the month.
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	≀ scattered about; mist around hor.	
0	B	≀ scattered about hor.; mist and fog in hor.	
0	B	" " "	
0	B	" " "	
0	C	" " "	
0	C	≀ scattered about hor.	
0	C	"	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 11th-Noon.	29.732	29.022	91°6	76°0	15°6	69.3	0.50	88°5	84°0	NW	1.0					
1 p. m.	.701	28.969	91.8	76.6	15.2	70.2	.51	89.0	84.0	NW b N	1.2					
2 „	.671	.993	92.8	75.5	17.3	67.8	.46	89.5	84.2	„	1.5		+	1		Above 10m.
3 „	.647	.958	92.5	75.7	16.8	68.4	.47	89.5	84.4	„	1.2		+	1		Above 10m.
4 „	.627	.960	92.0	75.0	17.0	67.3	.46	89.3	84.5	„	1.0		+	1		Above 10m.
5 „	.626	.930	89.4	75.0	14.4	68.6	.52	87.9	84.6	„	1.2		+	1		Above 10m.
6 „	.650	.924	86.6	75.0	11.6	69.9	.59	86.0	84.6	NW	1.6	None.			None.	
7 „	.665	.944	83.6	74.0	9.6	69.7	.65	83.9	84.5	„	1.8					
8 „	.694	.996	83.3	73.3	10.0	68.7	.64	83.5	84.5	„	1.3					
9 „	.715	.998	83.0	73.7	9.3	69.6	.65	83.0	84.5	„	0.7					
10 „	.714	.964	82.8	74.5	8.3	71.0	.69	83.0	84.4	„	0.8		+	1		Above 10m.
11 „	.710	.939	82.2	74.9	7.3	71.8	.72	82.7	84.3	„	1.2		+	1		Above 10m.
Apr. 12th-Midnight	.689	28.925	81.5	74.5	7.0	71.5	.73	82.0	84.2	NW	0.3		+	1		Above 10m.
1 a. m.	.676	.888	81.0	75.0	6.0	72.5	.76	81.2	84.0	„	0.6		+	1		Above 10m.
2 „	.660	.867	80.5	75.0	5.5	72.7	.78	81.0	84.0	„	0.6		+	1		Above 10m.
3 „	.653	.840	80.5	75.5	5.0	73.5	.80	81.0	84.0	NW b N	0.5		+	1		Above 10m.
4 „	.654	.882	79.0	74.0	5.0	71.8	.80	80.0	83.9	„	0.5		+	1		Above 10m.
5 „	.680	.940	78.5	73.0	5.5	70.5	.78	79.2	83.8	„	0.4		+	1		Above 10m.
6 „	.694	.938	77.8	73.2	4.6	71.2	.81	78.9	83.6	„	0.1					
7 „	.724	.999	79.9	73.0	6.9	69.9	.73	80.1	83.6	„	0.1					
8 „	.756	29.054	82.0	73.0	9.0	68.9	.66	81.2	83.6	„	0.1					
9 „	.753	.009	84.0	74.7	9.3	70.7	.66	83.1	83.7	„	0.1					
10 „	.746	.009	85.6	75.0	10.6	70.4	.62	84.3	83.8	„	0.3					
11 „	.735	28.985	88.0	76.0	12.0	71.0	.58	86.0	83.9	„	0.3					
Noon.	.711	.961	88.0	76.0	12.0	71.0	.58	86.2	84.0	NW	0.4					
1 p. m.	.678	.924	87.6	76.0	11.6	71.1	.60	86.0	84.0	„	0.7	None.	+	1	None.	Above 10m.
2 „	.641	.899	88.7	76.0	12.7	70.6	.57	86.5	84.1	„	1.0		+	1		Above 10m.
3 „	.622	.920	88.8	75.0	13.8	68.9	.53	86.7	84.2	„	1.2		+	1		Above 10m.
4 „	.621	.888	86.0	75.0	10.0	70.2	.61	85.4	84.2	„	1.5					
5 „	.635	.828	83.6	76.2	7.4	73.2	.73	83.4	84.3	„	1.0		+	1		Above 10m.
6 „	.644	.831	82.3	76.0	6.3	73.5	.75	82.7	84.2	„	1.0					
7 „	.672	.896	82.5	75.1	7.4	72.0	.73	82.8	84.1	„	0.5					
8 „	.700	.945	82.3	74.5	7.8	71.2	.70	82.5	84.0	NW b N	0.5					
9 „	.701	.951	82.0	74.3	7.7	71.0	.70	82.2	84.0	NW	0.5		+	1		Above 10m.
10 „	.692	.919	82.4	75.0	7.4	71.9	.71	82.5	84.0	NW b N	0.6		+	1		Above 10m.
11 „	.684	.914	82.6	75.0	7.6	71.8	.71	82.6	84.0	„	0.5		+	1		Above 10m.
Apr. 13th-Midnight	.671	.898	82.4	75.0	7.4	71.9	.71	82.5	84.0	NW	0.6					
1 a. m.	.621	.802	81·7	76.0	5.7	73.7	.78	82.0	83.9	„	1.4		+	1		Above 10m.
2 „	.645	.857	81.0	75.0	6.0	72.5	.76	81.2	83.8	NW b N	0.6		+	1		Above 10m.
3 „	.655	.848	81.0	75.5	5.5	73.2	.78	81.0	83.8	W	0.5					
4 „	.641	.814	81.0	76.0	5.0	74.0	.80	81.0	83.7	NW b N	0.7					
5 „	.662	.827	80.3	76.0	4.3	74.3	.83	81.0	83.7	„	0.6					
6 „	.682	.872	80·4	75.4	5.0	73.3	.80	81.0	83.7	„	1.0					
7 „	.715	.892	81.4	76.0	5.4	73.8	.79	81.3	83.7	„	0.4					
8 „	.733	.983	82·8	74.5	8.3	71.0	.69	82.3	83.7	NNW	0.2					
9 „	.729	.981	84.6	75.0	9.6	70.9	.65	84.0	83.8	„	0.1	A few drops of rain.				
10 „	.717	.997	87.2	75.0	12.2	69.7	.57	85.4	84.0	NW b N	0.2					
11 „	.709	.976	89.5	76.0	13.5	70.2	.55	87.2	84.0	„	0.3					
Noon.	.680	.839	90.2	76.4	13.8	70.6	.53	87.6	84.2	„	0.2					
1 p. m.	.652	.874	89·0	77.0	12.0	72.1	.59	87.0	84.3	„	0.6				None.	
2 „	.639	.819	87.0	77.5	9.5	73.7	.66	86.0	84.4	NW	0.6					
3 „	.636	.858	83.7	75.5	8.2	72.1	.69	84.0	84.2	„	0.7					
4 „	.634	.829	83.0	76.0	7.0	73.2	.73	83.2	84.2	NW b W	0.5					
5 „	.640	.850	81.6	75·2	6.4	72.6	.75	82.0	84.1	„	0.8					
6 „	.652	.939	81.0	73.0	8.0	69.4	.69	81.2	84·0	„	0.7					
7 „	.667	.889	80.2	74.5	5.7	72.1	.77	81.0	84.0	„	1.2					
8 „	.694	.951	79.6	73.4	6.2	70.7	.75	80.2	83.9	„	0.8					
9 „	.715	.984	79.4	73.0	6.4	70.2	.74	80.0	83.9	„	0.6					
10 „	.726	.995	79.4	73.0	6.4	70.2	.74	80.0	83.8	NW	0.3					
11 „	.722	.987	79.0	73.0	6.0	70·3	.76	79.7	83.7	„	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ≀– cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	
0	C	A few ≀ along E hor.	
0	R	" "	
0	R	" "	
0	R	" "	
0	R	" "	
0	B	Light ≀ scattered along E hor.	
0	B	≀≀ along E hor.; ≀ scattered around hor.	
0	B	" " "	
0	B	≀ scattered about hor.	
0	C	" "	
0	C	A few ≀ in E hor.	
0	C	≀ scattered about hor.	
2	C	≀ scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 83°5 and 83°8. At 4h. P. M. the reading of Barometer was 29.621, lowest in the month.
2	R	" "	
2	R	" "	
1	R	" "	
2	R	" "	
2	B	≀≀ scattered around hor.	
4	B	≀≀ scattered about.	
8	B	≀≀ scattered throughout, moving N; mist in hor.	
8	B	" " "	
8	C	Overcast.	
8	C	"	
8	C	"	
8	C	Overcast.	
7	R	≀≀ scattered throughout, moving N.	
4	R	∩≀ and ≀≀ scattered about hor.	
5	R	∩≀ in NE and E hor.; ≀ and ≀≀ scattered about; thunder in NE heard at 3h. 55m.	
8	R	Overcast with ≀≀ and ≀≀, moving ENE; fresh breezes of wind blowing.	
8	B	Overcast with ≀≀, moving ENE.	
8	B	"	
8	B	" "	
8	B	" "	
8	C	Overcast with ≀≀, moving ESE.	
8	C	" "	
8	C	Overcast with ≀≀, moving ESE; slight drops of rain falling.	
8	C	Overcast with ≀≀; slight drops of rain between 0h. 25m. and 0h. 30m; fresh breezes from WNW.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 84°0. This was the 8th day on which the lightning was observed after sunset.
8	R	Overcast; light breezes.	
8	R	Overcast; slight drops of rain at 2h. 18m.	
8	R	Overcast with ≀≀, moving ENE; a few stars dimly visible; slight drops of rain at 3h. 22m.	
8	R	Overcast with ≀≀, moving E; a few stars dimly visible.	
8	B	Overcast with ≀≀, moving E.	
8	B	" "	
8	B	Overcast with, ≀≀, moving ENE.	
8	B	Overcast with, ≀≀, moving NE.	
8	C	" "	
8	C	" "	
8	C	Overcast with ≀≀, moving ENE.	
8	C	" "	
8	R	Overcast with ≀≀ and ≀≀, moving ENE.	
8	R	" "	
8	R	" "	
8	R	Overcast with ≀≀, moving NE.	
8	C	" "	
8	C	" "	
8	C	Overcast; lightning in E hor.	
7	C	Densely clouded with ≀≀; lightning in E hor.	
8	C	Overcast with ≀≀; lightning in E hor.	
7	C	" " "	
7	C	" " "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Electrical Instruments. Interval of Time in recovering the mean degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 15th-Midnight	29.699	28.927	79°0	74°0	5°0	71°8	0.80	79°9	83°3	WNW	0.1					
1 a. m.	.704	.894	79·0	75.0	4.0	73.3	.84	79.8	83.2	„	0.1					
2 „	.689	.890	78.6	74·6	4.0	73.0	.84	79.0	83.2	„	0.3					
3 „	.692	.860	78.8	75.5	3.3	74.2	.86	79.5	83.1	„	0.1					
4 „	.692	.841	78.8	76.0	2.8	74.9	.88	79.5	83.1	„	0.4					
5 „	.742	.893	79.0	76.0	3.0	74.8	.88	80.0	83.0	„	0.1					
6 „	.763	.930	78.7	75.5	3.2	74.2	.87	79.6	83.0	„	0·2			Out of Sc.	50	0.03
7 „	.785	.930	79.2	76.2	3.0	75.0	.88	79.9	83.0	„	0.2					
8 „	.776	.954	79.7	75.5	4.2	73.8	.83	79.9	83.0	NNW	0.3					
9 „	.785	.979	81.6	75.6	6.0	73.2	.77	81·2	83·2	N b W	0.2					
10 „	.788	.992	84.6	76.2	8.4	72.8	.69	83.2	83.3	„	0.1					
11 „	.785	.922	87.2	78.6	8.6	75.3	.69	85.2	83.5	NW	0.3					
Noon.	.771	.938	87.6	78.0	9.6	74.2	.66	85.4	83.6	NW b W	0.1					
1 p. m.	.749	.947	89.0	77.6	11.4	73.0	.61	86.0	83.5	W	0.3					
2 „	.715	.884	86.0	77.5	8.5	74.1	.69	84.5	83·5	W b N	0.5					
3 „	.701	.828	86·7	78.7	8.0	75.7	.71	85.0	83.6	WNW	0.8					
4 „	.694	.790	85.0	79.0	6.0	76.8	.77	84.2	83.7	„	0.6	Drops of rain.	+	1		Above 10m.
5 „	.719	.832	82.7	78.0	4.7	76.2	.82	82.6	83.7	NW b W	0.8					
6 „	.740	.889	81.6	76.8	4.8	74.9	.81	81.5	83.6	NW	0.6					
7 „	.765	.964	80.6	75.2	5.4	73.0	.79	81.0	83.5	„	1.0					
8 „	.786	29.059	80.4	73.2	7.2	70.0	.72	80·9	83.5	NW b N	0.6					
9 „	.799	.037	80.8	74.5	6.3	71.8	.75	81.1	83.5	„	0·1		+	1		Above 10m.
10 „	.812	.040	80.8	74.5	6.3	71.8	.75	81·0	83.5	„	0.0		+	1		Above 10m.
11 „	.806	28.979	81.0	76.0	5.0	74.0	.80	81.1	83.5	NNW	0.1		+	1		Above 10m.
Apr. 16th-Midnight	.791	.955	80.2	76.0	4.2	74.3	.83	80.9	83.4	NW	0.0		+	2		2.15
1 a. m.	.775	.950	79.8	75·6	4.2	73·9	.83	80.1	83.2	„	0.0		+	2		3.10
2 „	.765	.955	79.0	75·0	4.0	73.3	.84	80·0	83.2	„	0.0		+	1		Above 10m.
3 „	.761	.951	79.0	75.0	4.0	73.3	.84	79.5	83.2	„	0.0					
4 „	.763	.948	78.5	75.0	3.5	73.5	.86	79·0	83.2	„	0.4					
5 „	.797	.982	78.5	75.0	3.5	73.5	.86	78.9	83.1	„	0.2					
6 „	.817	29.008	77.7	74.6	3.1	73.3	.87	78.6	83·1	„	0.0					
7 „	.834	.004	80.7	76.0	4.7	74.1	.81	80.4	83.1	NW b N	0.0					
8 „	.854	28.981	84.0	78.0	6.0	75.7	.77	82.6	83.1	ENE	0.2					
9 „	.850	29.017	84.0	77.0	7.0	74.2	.73	83.0	83.2	„	0.0					
10 „	.838	28.987	86.0	78.0	8.0	74.9	.70	84.1	83.2	S	0.2					
11 „	.829	.951	87.7	79.1	8.6	75.9	.69	85.3	83.4	SW	0.9	None.			None.	
Noon.	.815	.947	89.0	79.2	9.8	75.5	.66	86.2	83.5	W b S	0.5					
1 p. m.	.793	.917	89.5	79.5	10.0	75.8	.65	86.5	83.7	SW b W	0.5			1	None.	Above 10m.
2 „	.771	.876	89.6	80.0	9.6	76.5	.67	86.9	83.8	W	0.4					
3 „	.756	.903	87.8	78.5	9.3	75.0	.67	86.0	84.0	„	0.3					
4 „	.753	.916	87.3	78.0	9.3	74.4	.67	85.5	84.0	W b N	0.2					
5 „	.773	29.018	85.4	75.4	10.0	71.2	.64	84.1	83.9	W	0.1					
6 „	.793	.047	83.1	74.5	8.6	70.8	.68	83.0	83.9	WSW	0.1					
7 „	.836	.077	82.2	74.6	7.6	71.3	.71	82.2	83.8	S b W	0·2					
8 „	.845	.087	82.0	74.5	7.5	71.3	.71	82.1	83.7	SSE	0.4					
9 „	.848	.043	82.0	75.7	6.3	73.2	.75	82.0	83.7	„	0.3					
10 „	.846	.026	81.6	76.0	5.6	73.7	.78	81.9	83.7	S	0.0					
11 „	.850	.043	81.0	75.5	5.5	73.3	·78	81.6	83.7	S b E	0.1					
Apr. 17th-Midnight	·839	28.979	80.8	76.8	4.0	75.2	.84	81.2	83.6	S b W	0.2					
1 a. m.	.829	.956	80.4	77.0	3.4	75.7	.86	81·0	83.6	W	0.1					
2 „	.827	.950	80.0	77.0	3.0	75.8	·88	80.7	83.5	„	0.0					
3 „	.807	.950	80.0	76.5	3.5	75.1	.86	80.5	83·5	„	0.0					
4 „	.813	.951	79.6	76.5	3.1	75·3	.87	80.2	83.5	„	0·0	None.	None.	None.	None.	None.
5 „	.825	.993	79.1	75.6	3.5	74.2	.86	80.0	83.4	SW	0·1					
6 „	.841	.999	79.6	76.0	3.6	74.6	.85	80.2	83.4	S b E	0.4					
7 „	.865	29.033	82.3	76.5	5.8	74.2	.77	81·6	83.5	SSE	0.2					
8 „	.882	.044	82.8	76.8	6.0	74.4	·77	82.0	83.5	„	0.1					
9 „	.878	.045	84.0	77.0	7.0	74.2	.73	83.1	83.6	S b W	0.1					
10 „	.877	.010	86.5	78.5	8.0	75.5	.71	84.9	83.6	SSW	0.1					
11 „	.862	28·978	86.8	79.0	7.8	76.1	.72	85.1	83.7	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩∩ cumulo-strati; and ≀≀ nimbi.	
7	C	≀≀ and ≀≀ scattered throughout, the former moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 84°0. The 14th day April 1861, was the 9th day on which lightning was observed after sunset.
7	R	" " "	
8	R	Overcast with ≀≀, moving SE.	
8	R	" "	
8	R	" "	
8	B	Overcast; slight drops of rain between 5h. 44m. and 5h. 58m.	
8	B	Overcast with ≀≀, moving SE.	
8	B	Overcast with ≀≀, moving ESE.	
8	B	Overcast with ≀≀ and ≀≀, both moving SE.	
8	C	" " "	
7	C	Densely clouded with ≀≀ and ≀≀, both moving ESE.	
6	C	" " "	
6	C	≀≀ scattered about, moving E.	
6	R	" "	
7	R	≀≀ scattered throughout, moving E.	
5	R	A few ≀ in E hor.; ≀≀ scattered about, moving E.	
4	R	≀≀ scattered about, moving NE.	
6	B	∩ along E hor.; ≀≀ scattered throughout, moving N.	
7	B	" " "	
7	B	≀≀ scattered throughout; lightning in E hor. at intervals of 6m.	
7	B	" " "	
8	C	" " "	
7	C	≀≀ scattered throughout; lightning in E hor.; drops of rain between 10h. 34m. and 10h. 39m.	
8	C	Overcast; big drops of rain between 11h. 25m. and 11h. 43.	
4	C	≀≀ scattered about, moving NNE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 84°0. This was the 10th day on which lightning was observed after sunset, and 15th day on which the wind blew abnormally.
6	R	" "	
0	R	Cloudless, except in hor.	
0	R	" "	
0	R	" "	
1	B	≀≀ scattered around hor.	
1	B	" "	
0	B	A few pieces of ≀≀ in hor.	
0	B	" "	
0	C	Cloudless.	
0	C	"	
0	C	"	
0	C	"	
2	R	≀≀ scattered about hor., moving NE.	
5	R	≀≀ scattered about, moving ENE.	
4	R	" "	
4	R	≀ and ≀≀ scattered in E hem.; ≀≀ along W hor.	
7	B	∩ along E hor.; ≀≀ scattered about, moving N.	
6	B	" " "	
6	B	≀≀ scattered about, moving N; lightning in ESE at intervals of 1m. 48s.	
4	B	≀≀ scattered about, moving N; lightning in NE hor. at intervals of 1m. 8s.	
1	C	Masses of ≀≀ scattered here and there around hor; lightning in N hor. in every 2½m.	
1	C	≀≀ scattered around hor.; lightning in N hor. at intervals of 4½m.	
0	C	A few pieces of clouds in W hor.; lightning in NW hor. at long intervals.	
2	C	Dense ≀≀ scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 84°0. This was the 11th day on which lightning was observed after sunset, and 16th day on which the direction of wind was abnormal.
4	R	Dense ≀≀ scattered about, moving E.	
5	R	Dense ≀≀ scattered about; lightning in W and NW hor. at intervals of 20s.	
4	R	Dense ≀≀ scattered about; lightning in W hor. at intervals of 20m.	
4	R	Dense ≀≀ scattered about, moving NE; lightning in W hor. at long intervals.	
4	B	≀≀ scattered about, moving NE.	
5	B	" "	
5	B	" "	
6	B	" "	
5	C	" "	
4	C	" "	
5	C	" "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 Inch in the Ground.	Ground Thermometers. Thermometer 6 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	In.		Sc. div.	Sc. div.	m. s.
Apr. 17th-Noon	29.841	28.939	89°7	80°2	9°5	76°7	0.67	86°8	83°9	„	0.3					
1 p. m.	.812	.939	89.4	79.4	10.0	75.7	.65	86.5	84.0	„	0.3					
2 „	.797	.913	88,8	79.5	9.3	76.1	.67	86.3	84.0	„	0.5					
3 „	.777	.877	89.2	80.0	9.2	76.6	.67	87.0	84.2	„	0.4					
4 „	.761	.846	87.8	80.0	7.8	77.2	.72	86.3	84.2	W b S	0.6					
5 „	.774	.867	84.7	79·0	5.7	76.9	.79	84.2	84.2	W	0,2					
6 „	.795	.908	82.7	78.0	4.7	76.2	.82	82.2	84.2	WNW	0.2	None.	None.	None.	None.	None.
7 „	.804	.935	81.5	77.2	4.3	75.5	.83	81.9	84.1	„	0.6					
8 „	.834	.963	81.0	77.0	4.0	75.4	.84	81·9	84.0	„	0.2					
9 „	.828	.949	80.6	77.2	3.4	75·9	.86	81.1	84.0	„	0.2					
10 „	.836	.977	80.2	76.6	3.6	75.2	.85	81.0	84.0	„	0.0					
11 „	.825	.965	79.4	76.4	3.0	75.2	.88	80.6	84.0	„	0.0					
Apr. 18th-Midnight	.806	.957	79.0	76.0	3.0	74.8	.86	80.0	83.9	WNW	0.0					
1 a. m.	.794	.938	78.4	76.0	2.4	75.1	.90	79.5	83.7	„	0.0					
2 „	.783	.915	79.0	76·5	2.5	75.5	.90	79.9	83·6	„	0.5					
3 „	.779	.941	78.6	75.6	3.0	74.4	.88	79.5	83·6	„	0.2					
4 „	.789	.952	78.3	75.5	2.8	74.4	.88	79.2	83·5	„	0.1					
5 „	.807	.976	77.8	75.2	2.6	74.1	.89	79.0	83.4	„	0.0					
6 „	.825	.965	78.0	76.0	2.0	75.2	.92	78.8	83.3	„	0.0					
7 „	.835	·963	81.2	77.2	4.0	75.6	.94	80.8	83.4	NW b W	0.1					
8 „	.872	.984	83.4	78.2	5.2	76·2	.80	82.2	83.5	NW b N	0.1					
9 „	.875	29.008	84.5	78.0	6.5	75.5	.75	83.1	83.6	„	0.1					
10 „	.875	28.952	85.6	79.6	6.0	77.4	.77	84.0	83.7	NW	0.1					
11 „	.862	29.017	86.5	78.0	8.5	74.7	.69	84.7	83.7	„	0.4					
Noon.	.838	28.947	86.9	79.2	7.7	76.3	.72	85.0	83.8	W b N	0.5	None.	None.	None.	None.	None.
1 p. m.	.807	.885	87.2	80.0	7.2	77.4	.74	85.2	83.9	WNW	0·8					
2 „	.784	.826	87.8	81.0	6.8	78.6	.75	86.0	84.0	W b N	0.5					
3 „	.763	.814	87.4	80.7	6.7	78.3	.75	86.0	84.0	„	0.5					
4 „	.745	.814	86.4	80.0	6.4	77.7	.76	85.2	84.1	WNW	0.6					
5 „	.754	.858	85.0	78.8	6.2	76.5	.76	84.1	84.1	„	0.2					
6 „	.774	.896	83.5	78.0	5.5	75.9	.79	83.1	84.1	NW	0.1					
7 „	.803	.949	82.1	77.0	5.1	75.0	.80	82.2	84.0	„	0.3					
8 „	.809	.982	81.7	76.2	5.5	74.0	.78	82.0	84·0	WNW	0.5					
9 „	.814	.983	81.4	76.2	5.2	74.1	.79	81.6	84.0	„	0·8					
10 „	.820	.985	81.0	76.2	4.8	74.3	.81	81.3	84.0	„	1.2					
11 „	.821	.990	80.6	76.0	4.6	74.1	.82	81.0	83.9	NW	0.3					
Apr. 19th-Midnight	.825	.987	80.0	76.0	4.0	74.4	.84	80.6	83.8	NW	0.0					
1 a. m.	.813	.973	79.8	76.0	3.8	74.5	.85	79.8	83.7	„	0.0					
2 „	.791	.962	79.0	75.5	3.5	74.1	.86	79·7	83.6	NW b N	0.0					
3 „	.780	.972	79.2	75.0	4·2	73.3	.83	79.7	83.5	NNW	0.0					
4 „	.784	.942	79.6	76·0	3.6	74.6	.85	80.0	83·5	NE	0.0					
5 „	.807	.991	79.2	75.2	4.0	73.6	.84	79.9	83.5	„	0.0					
6 „	.840	29.047	77·7	74.2	3.5	72.7	.85	78.5	83.5	„	0.0					
7 „	.849	28.996	82.2	77.0	5.2	75.0	.80	81.3	83.5	„	0.0					
8 „	.861	.948	84.2	79.0	5.2	77.1	.80	83.0	83.6	„	0.1					
9 „	.859	.920	85·6	80.0	5.6	78.0	.79	84.3	83.7	N	0.1					
10 „	.851	.927	87.0	80·0	7.0	77.5	.74	85·1	83.7	WNW	0.2					
11 „	.842	.925	87.6	80.0	7.6	77.2	.72	85.9	83.8	„	0.4					
Noon.	.820	.933	88.5	79.5	9.0	76.2	.68	86.2	84.0	„	0.6	None.	None.	None.	None.	None.
1 p. m.	.786	.861	88.9	80.5	8.4	77.5	.70	86.7	84.0	NW	0·7					
2 „	.763	·859	88.8	80.0	8.8	76.8	.69	86.7	84.2	„	1.0					
3 „	.744	.864	89.1	79.5	9.6	75.9	.66	87.0	84.3	„	1·0					
4 „	.727	.907	88.8	78.0	10.8	73.7	.62	87.0	84·5	„	1.0					
5 „	.741	.944	87.3	77.0	10.3	72.9	.63	86.2	84.6	„	1.0					
6 „	.760	.949	86.0	77.0	9.0	73·4	.67	85.1	84.5	„	1.0					
7 „	.811	29.017	84.8	76.2	8.6	72.8	.68	84.4	84.5	„	0.8					
8 „	.812	.018	84.8	76.2	8.6	72.8	.68	84.2	84.4	NE	0.2					
9 „	.805	.001	84.2	76.2	8.0	73.0	.70	84.0	84.4	NNE	0.1					
10 „	.804	28.988	83.4	76.4	7.0	73.6	.73	83.4	84.4	NW	0.3					
11 „	.794	.985	82.6	76.0	6.6	73.3	.75	82.9	84.3	NW b W	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀∪ nimbi.	
5	C	≀≀ scattered about, moving N.	
5	R	" "	
4	R	" "	
4	R	≀≀ scattered about, moving E.	
2	R	≀≀ scattered about, moving ENE.	
2	B	" "	
3	B	∩ along E hor.; ≀≀ along W hor.; ≀≀ scattered about, moving SE.	
4	B	≀≀ around hor.; light ≀≀ scattered about, moving SE; lightning in E hor. after 7h. 10m.	
7	B	≀≀ and ≀≀ scattered about, the latter moving SE; continuous lightning in ESE hor.	
2	C	≀≀ scattered about hor., moving SE; lightning in ESE hor. at intervals of 1½m.	
2	C	Clouded as before; lightning in ESE hor. at intervals of 5m. 30s.	
3	C	≀≀ scattered in E hem., moving ENE; dew falling.	
1	C	≀≀ scattered along E hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 84°0. This was the 12th day on which lightning was observed after sunset.
1	R	" "	
3	R	Dense ≀≀ scattered about, except in zenith; lightning in N and NW every minute.	
2	R	Clouded as before; continuous lightning in N hor.	
2	R	≀≀ scattered about hor.; lightning in NW hor. in every ½m.	
3	B	≀≀ scattered about hor., moving NNE; lightning in NW at intervals of 2m.; dew falling.	
2	B	≀≀ scattered about hor., moving NNE; lightning not visible.	
3	B	≀≀ scattered about, moving NNE; mist along W hor.	
2	B	≀≀ scattered about hor.; mist along W hor.	
2	C	" " "	
1	C	≀≀ and haze along E hor.	
2	C	≀≀ scattered about hor.	
2	C	" "	
2	R	≀≀ scattered about, moving ENE.	
2	R	∩ along E hor.; ≀≀ scattered about, moving ENE.	
4	R	∩ in NE and E hor.; ≀≀ scattered about, moving E.	
4	R	" " "	
2	B	∩ in NE and E hor.; ≀≀ scattered about W hor.	
1	B	" " "	
1	B	≀≀ scattered around hor.; lightning in E and SE hor. at intervals of 2½m.	
1	B	≀≀ scattered around hor.; lightning in ESE at intervals of ½m.	
1	C	≀≀ scattered along E hor.; lightning in E hor., at intervals of 1½m.	
0	C	Cloudless, except in hor.	
0	C	" "	
0	C	Cloudless, except in hor.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 84°0.
0	R	A few pieces of ≀≀ along E hor.	
0	R	A few ≀ along E hor.	
0	R	" "	
0	R	" "	
1	B	≀≀ scattered along E hor.	
1	B	" "	
0	B	A few pieces of ≀≀ scattered around hor.	
1	B	≀ and haze along E hor.	
0	C	" "	
0	C	A few pieces of ≀≀ and haze in hor.	
0	C	A few pieces of ≀≀ scattered around hor.; haze along E hor.	
1	C	∩ and ≀≀ scattered along E hor.	
1	R	" "	
0	R	∩ along E hor.	
0	R	"	
1	R	∩ and ≀≀ scattered along E hor.	
1	B	∩ and ≀≀ scattered from N to SW hor.	
2	B	∩ in NE hor.; ≀≀ scattered about S hor., moving WNW.	
5	B	∩ in NE hor.; ≀≀ scattered about, moving W.	
2	B	≀≀ scattered about hor.	
2	C	≀≀ scattered in E hem.	
5	C	≀≀ scattered about, moving W.	
2	C	≀≀ scattered about hor.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity +or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.	°	°	°	°		°	°		lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 20th-Midnight	29.784	28.889	82·0	78·0	4·0	76·5	0.84	82·2	84·2	NW b W	0.5					
1 a. m.	.771	.905	81.0	77.0	4.0	75·4	.84	81.7	84.2	NW	0.5					
2 „	.762	.892	80.6	77·0	3.6	75·6	.85	81.0	84.0	NW b N	0.5					
3 „	.756	.874	79.5	77.0	2.5	76·0	.90	80.0	84.0	NNW	0.2					
4 „	.763	.873	78.8	77.0	1.8	76·3	.92	79.8	84.0	„	0.1					
5 „	.795	.937	78.2	76.0	2.2	75·1	.91	79.6	84.0	„	0.1					
6 „	.816	.985	77.8	75.2	2.6	74·1	.89	78.8	83·8	„	0.0					
7 „	.831	.995	81.6	76.4	5.2	74·3	.80	81.2	83.7	„	0.1					
8 „	.851	.945	84.8	79.0	5.8	76·8	.78	83.8	83.8	NW b N	0.1					
9 „	.847	.961	86·6	79.0	7.6	76·1	.72	85.0	84.0	NW	0.4					
10 „	.837	.901	88.2	80.6	7.6	77·9	.72	86.2	84·0	„	0.3					
11 „	.831	.949	89.0	79.3	9.7	76·0	.66	86.7	84·1	NW b W	0.4	None.	None.	None.	None.	None.
Noon.	.813	.937	89.5	79.5	10.0	75·8	.65	87.0	84.2	„	0.6					
1 p. m.	.791	29.001	90.6	77.6	13.0	72.6	.57	87.7	84·4	„	1.0					
2 „	.769	.030	90.8	76·5	14.3	70.5	.53	88.0	84.5	„	1.0					
3 „	.756	.050	91.0	75·7	15.3	69.1	.50	88·1	84.6	„	1.0					
4 „	.740	.010	89.8	76.0	13.8	70.1	.54	87·5	84.7	„	0.8					
5 „	.759	.002	87.4	76.0	11.4	71.2	.60	86.0	84·8	„	1.0					
6 „	.780	28.960	85.2	77.0	8·2	73.7	.69	84.9	84·8	„	1.0					
7 „	.794	.976	83·6	76.5	7.1	73·6	.73	83.9	84.7	„	1.0					
8 „	.807	29.071	83.0	75.6	7.4	72.6	.71	83.2	84.6	„	0.8					
9 „	.829	.019	82.6	76.0	6.6	73·3	.75	82.8	84·5	NW	0.7					
10 „	.843	.033	82.6	76.0	6·6	73.3	.75	82.8	84·5	„	0.4					
11 „	.842	.021	81.5	76.0	5.5	76.8	.78	82.0	84·4	„	0.0					
Apr. 22nd-Midnight	.791	28.855	80.2	76.0	4.2	74.3	.83	81·0	84.0	NW b W	0.1					
1 a. m.	.779	.941	80.0	76.0	4.0	74.4	.84	80.5	84.0	NW b N	0.3					
2 „	.761	.951	79.0	75.0	4.0	73.3	.84	79.5	84·0	NNW	0.1					
3 „	.753	.951	78.0	74·5	3.5	73.0	.85	79·0	83.9	„	0.2					
4 „	.755	.969	77.7	74.0	3·7	72.4	.85	78.5	83.7	N b W	0·1					
5 „	.797	29.010	77.6	74.0	3.6	72.5	.85	78.5	83.6	„	0.1					
6 „	.813	.007	77.7	74.5	3.2	73.2	.87	78.5	83·6	„	0.1					
7 „	.834	.021	80.5	75.5	5.0	73.5	.80	80.4	83.6	„	0.1					
8 „	.853	.016	83·6	77.0	6·6	74.4	.75	82.4	83.6	„	0.1					
9 „	.850	28.971	84.6	78.3	6.3	75·9	.76	83.5	83.8	NNW	0.1					
10 „	.839	.942	85.6	79.0	6.6	76·5	.75	84.2	83·9	NW b N	0.1					
11 „	.829	.940	86.4	79·0	7.4	76.3	.73	85.0	83.9	NW b W	0·2	None.	None.	None.	None.	None.
Noon.	.809	.906	86·6	79.4	7.2	76·7	.74	85·0	84.0	WNW	0·2					
1 p. m.	.782	.858	87.0	80.0	7.0	77.5	.74	85.2	84.0	W	0.4					
2 „	.766	.842	87.0	80·0	7.0	77.5	.74	85.5	84.1	W b N	0·5					
3 „	.743	.816	86·7	80.0	6.7	77.6	.75	85.5	84.2	„	0.4					
4 „	.731	.798	86·2	80·0	6.2	77.8	.77	85·0	84.3	W	0.5					
5 „	.745	·833	84·3	79.0	5.3	77.0	.80	83.9	84.3	WNW	0.7					
6 „	.749	.849	82·3	78.2	4·1	76.6	.84	82.5	84.3	W b N	0.3					
7 „	.760	.863	81.1	77.8	3·3	76.5	.87	81.8	84.2	W	0.2					
8 „	.769	.861	80.8	78·0	2.8	76.9	.89	81.5	84.1	„	0·4					
9 „	.788	.877	80.5	78.0	2.5	77.0	·90	81.1	84.1	WNW	0.6					
10 „	.791	.874	80.0	78.0	2.0	77.2	.92	80.8	84.0	„	0.6					
11 „	.781	.902	79·8	77.0	2.8	75.9	.88	80·3	84.0	NW	0.7					
Apr. 23rd-Midnight	.779	.921	79.6	76.4	3.2	75·1	.87	80.2	83.9	NW	0.3					
1 a. m.	.761	.907	79.2	76.2	3.0	75.0	.88	79·9	83.9	„	0·6					
2 „	.743	.894	79.0	76.0	3.0	74.8	·88	79.8	83.7	„	0.4					
3 „	.732	.883	79·0	76.0	3.0	74·8	.88	79.7	83.7	„	0.5					
4 „	.730	.881	79.0	76.0	3.0	74·8	.88	79.7	83.6	NW b N	0.1					
5 „	.758	.945	78·6	75.0	3.6	73.5	.85	79·6	83.6	NNW	0.2					
6 „	.773	.960	79.1	75.1	4.0	73.5	.84	79·6	83.6	N b W	0.1					
7 „	.789	.982	80.8	75.4	5·4	73.2	.79	80.7	83.6	N	0.1					
8 „	.814	29.004	83.3	76·2	7.1	73.3	.73	82.4	83.6	NNW	0.2					
9 „	.816	28.974	85·0	77.5	7·5	74.6	.72	83.6	83.7	NW b N	0.1					
10 „	.813	.922	86.2	79.0	7·2	76·3	·73	84.5	83.7	NW	0·3					
11 „	.805	.946	86·4	78.3	8.1	75.2	.70	84.7	83.8	NW b W	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Nota.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
2	C	scattered from N to S hor.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 84°0.
2	R	scattered about, moving NE.	
2	R	scattered above hor.; dew falling.	
1	R	scattered about hor.; dew falling.	
0	R	A few pieces of in NW hor.; dew falling.	
2	B	scattered about; dew falling.	
2	B	" "	
1	B	scattered about, moving N; mist along E hor.	
0	B	A few pieces of around hor.; mist along E hor.	
0	C	Light mist along E hor.	
0	C	Cloudless.	
0	C	"	
0	C	A few pieces of in E hor.	
0	R	" "	
1	R	scattered above E and S hor.	
4	R	scattered about.	
2	R	scattered about hor.	
2	B	" "	
2	B	" "	
2	B	" "	
2	B	scattered about, moving N.	
1	B	scattered above W and N hor.	
1	B	scattered along W hor.	
2	B	scattered around hor.	
0	C	A few pieces of scattered in S.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 84°1.
0	R	A few pieces of in W hor.	
0	R	Cloudless.	
0	R	"	
0	R	"	
0	B	A few along W hor.	
0	B	" "	
0	B	Mist and fog in hor.	
0	B	A few pieces of along W hor.; mist and fog in hor.	
0	C	Mist and fog in hor.	
0	C	" "	
0	C	" "	
0	C	" "	
1	R	scattered here and there, moving E.	
0	R	A few pieces of along E hor.	
0	R	" "	
0	R	Cloudless.	
0	B	A few pieces of along E hor.	
0	B	" "	
0	B	A few pieces of around hor.	
1	B	Light scattered here and there, moving ESE.	
5	C	scattered about, moving ESE.	
4	C	" "	
6	C	" "	
6	C	scattered about, moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°3 and 84°5.
5	R	scattered about, moving SE.	
5	R	scattered about, moving SE; light drops of rain at 2h. 45m.	
4	R	scattered about, moving SE.	
8	R	Overcast with ; moving SE.	
8	B	" "	
6	B	scattered throughout, moving SSE.	
4	B	" "	
2	B	around hor.; scattered above E hor.	
0	C	A few pieces of clouds in W hor.	
0	C	" "	
0	C	Cloudless.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in the recovering the 45 degrees of rotation after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 23rd-Noon.	29.785	28.899	86°6	79°0	7°6	76°1	0.72	85°0	83°9	WNW	0.4					
1 p. m.	.757	.875	87.0	79.0	8.0	76.0	.71	85.1	84.0	,,	0.6					
2 ,,	.730	.850	87.2	79.0	8.2	75.9	.70	85.4	84.0	,,	0.5					
3 ,,	.710	.890	87.0	77.5	9.5	73.7	.66	85.4	84.2	,,	0.8					
4 ,,	.696	.845	86.0	78.0	8.0	74.9	.70	85.0	84.1	,,	0.7	None.	None.	None.	None.	None.
5 ,,	.712	.839	84.0	78.0	6.0	75.7	.72	83.7	84.1	,,	0.6					
6 ,,	.720	.841	82.3	77.7	4.6	75.9	.82	82.3	84.1	,,	0.6					
7 ,,	.736	.867	81.5	77.2	4.3	75.5	.83	81.9	84.0	,,	0.7					
8 ,,	.759	.894	81.1	77.0	4.1	75.4	.84	81.7	84.0	,,	0.3					
9 ,,	.772	.893	80.6	77.2	3.4	75.9	.86	81.2	84.0	,,	0.5					
10 ,,	.773	.898	80.2	77.0	3.2	75.8	.87	81.0	84.0	,,	0.1					
11 ,,	.770	.921	80.0	76.3	3.7	74.8	.85	80.8	83.9	NW b W	0.0					
Apr. 24th-Midnight	.757	.932	79.4	75.5	3.9	73.9	.84	80.1	83.8	NW b W	0.0					
1 a. m.	.729	.900	79.0	75.5	3.5	74.1	.86	79.7	83.7	,,	0.0					
2 ,,	.719	.898	78.0	75.0	3.0	73.8	.87	79.0	83.6	,,	0.0					
3 ,,	.704	.878	77.5	75.0	2.5	74.0	.89	78.5	83.5	,,	0.0					
4 ,,	.712	.883	77.3	75.0	2.3	74.1	.90	78.0	83.5	NNW	0.0		+	1		Above 10m.
5 ,,	.742	.945	77.4	74.2	3.2	72.9	.86	78.2	83.4	N b W	0.1					
6 ,,	.753	.978	77.0	73.5	3.5	72.0	.85	78.0	83.3	,,	0.1					
7 ,,	.777	29.005	80.4	74.4	6.0	71.8	.76	80.0	83.3	,,	0.1					
8 ,,	.783	28.980	83.2	76.0	7.2	73.1	.73	82.2	83.4	,,	0.1					
9 ,,	.772	.927	85.4	77.7	7.7	74.7	.71	84.0	83.6	NNW	0.4					
10 ,,	.763	.910	87.1	78.8	8.3	75.0	.70	85.0	83.7	NW b N	0.5					
11 ,,	.763	.878	87.1	79.1	8.0	76.1	.71	85.2	83.7	NW	0.5	None.			None.	
Noon.	.759	.846	88.0	80.0	8.0	77.1	.71	85.7	83.8	,,	0.4					
1 p. m.	.724	.806	87.5	80.0	7.5	77.3	.73	85.7	83.9	NW b W	0.6					
2 ,,	.707	.796	88.2	80.0	8.2	77.0	.70	86.0	84.0	,,	1.0					
3 ,,	.695	.824	88.0	79.0	9.0	75.6	.68	86.0	84.0	,,	0.8					
4 ,,	.693	.820	87.8	79.0	8.8	75.7	.68	86.0	84.2	,,	0.6					
5 ,,	.715	.895	85.2	77.0	8.2	73.7	.69	84.7	84.2	WNW	0.8					
6 ,,	.720	.840	83.4	78.0	5.4	75.9	.79	83.2	84.2	,,	1.0					
7 ,,	.731	.836	82.0	78.0	4.0	76.5	.84	82.2	84.1	,,	0.7					
8 ,,	.742	.871	81.3	77.2	4.1	75.6	.84	82.0	84.0	NW	0.8					
9 ,,	.755	.889	81.0	77.0	4.0	75.4	.84	81.8	84.0	,,	0.7					
10 ,,	.748	.960	81.0	75.0	6.0	72.5	.76	81.5	84.0	,,	0.5					
11 ,,	.726	.873	81.4	76.8	4.6	75.0	.82	81.7	84.0	NW b N	0.7					
Apr. 25th-Midnight	.723	.894	80.8	76.0	4.8	74.1	.81	81.0	84.0	NW b N	0.4					
1 a. m.	.723	.889	80.4	76.0	4.4	74.3	.82	80.9	83.9	NNW	0.5					
2 ,,	.719	.895	79.5	75.5	4.0	73.9	.84	79.9	83.8	,,	0.4					
3 ,,	.720	.932	78.2	74.2	4.0	72.5	.83	79.1	83.6	,,	0.2					
4 ,,	.729	.944	77.8	74.0	3.8	72.4	.84	78.5	83.5	,,	0.2					
5 ,,	.732	.945	77.6	74.0	3.6	72.5	.85	78.4	83.5	,,	0.1					
6 ,,	.761	.962	77.2	74.2	3.0	73.0	.87	78.0	83.5	,,	0.0					
7 ,,	.783	.913	80.6	77.0	3.6	75.6	.85	80.5	83.5	,,	0.2					
8 ,,	.791	.958	84.0	77.0	7.0	74.2	.73	82.9	83.5	,,	0.2					
9 ,,	.808	.957	86.7	78.2	8.5	74.9	.69	84.7	83.6	NW b W	0.4					
10 ,,	.813	.963	88.0	78.5	9.5	74.8	.66	85.6	83.7	,,	0.2	None.	None.	None.	None.	Noue.
11 ,,	.805	.869	87.5	80.4	7.1	77.9	.73	85.7	83.9	,,	0.4					
Noon.	.794	.895	87.8	79.6	8.2	76.6	.70	85.9	84.0	WNW	0.5	None.	None.	None.	None.	Noue.
1 p. m.	.768	.884	88.8	79.5	9.3	76.1	.67	86.4	84.0	,,	0.6					
2 ,,	.749	.892	89.3	79.0	10.3	75.1	.64	86.7	84.2	NW	0.5					
3 ,,	.737	.922	89.3	78.0	11.3	73.5	.61	86.8	84.3	,,	1.0					
4 ,,	.731	.944	88.2	77.0	11.2	72.5	.61	86.3	84.4	,,	1.3					
5 ,,	.716	.941	85.7	76.0	9.7	72.0	.65	85.0	84.5	NW b W	1.0					
6 ,,	.718	.881	83.6	77.0	6.6	74.4	.75	83.7	84.5	,,	1.0					
7 ,,	.726	.871	82.0	77.0	5.0	75.0	.80	82.3	84.3	,,	1.0					
8 ,,	.740	.878	81.4	77.0	4.4	75.3	.82	81.9	84.2	NW	0.8					
9 ,,	.767	.978	80.9	75.0	5.9	72.6	.77	81.3	84.1	,,	0.5					
10 ,,	.780	.994	81.2	75.0	6.2	72.4	.76	81.5	84.1	NW b N	0.6					
11 ,,	.774	.975	81.4	75.4	6.0	73.0	.76	81.6	84.0	NNW	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Ci cirri; Cci cirro-cumuli; Cc cumuli; Csi cirro-stirati; Cs cumulo-strati; and Cn nimbi.	
0	C	Cloudless.	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	A few pieces of Cci in E hor.	
0	B	A few pieces of Cci in SE hor.	
0	B	" "	
0	B	A few Cci in ESE hor.	
0	C	" "	
0	C	Cloudless.	
0	C		
0	C	Cloudless; dew falling.	Mean daily temparature of ground 20 and 60 inches below its surface 84°2 and 84°5. This was the 9th cloudless day during the year.
0	R	" "	
0	R	" "	
0	R	" "	
0	R	" "	
0	R	" "	
0	B	" "	
0	B	Mist and fog in hor.	
0	B	" "	
0	C	" "	
0	C	" "	
0	C	Light haze along E hor.	
0	C	" "	
0	R	" "	
0	R	Cloudless.	
0	R	"	
0	R	"	
0	B	"	
0	B	A few Cci in E hor.	
0	B	Cloudless.	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 8°44.
0	R	" "	
0	R	" "	
0	B	" "	
0	B	" "	
1	C	Cci scattered along E hor.; dew falling.	
1	C	" " "	
1	R	Cci scattered along E hor.; mist and fog in hor.	
1	R	" " "	
0	B	A few pieces of Cci in E hor.; haze along E hor.	
0	B	" " "	
1	C	Cci scattered from E to S hor., moving SW; haze in E hor.	
1	C	" " "	
0	R	A few pieces of Cci in E hor.; haze along E hor.	
0	R	Cloudless.	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	R	"	
0	R	A few pieces of Cci in E hor.	
2	B	Cci scattered along E hor.	
2	B	Pieces of Cci scattered about, moving W.	
1	C	Cci scattered around hor.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or−	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 26th-Midnight	29.776	28.979	80°2	75°0	5°2	72°9	0.79	80°9	84°0	NNW	0.0					
1 a. m.	.773	.972	79.8	75.0	4.8	73.0	.81	80.2	84.0	„	0.3					
2 „	.772	.934	80.0	76.0	4.0	74.4	.84	80.1	83.9	„	0.2					
3 „	.763	.953	79.0	75.0	4.0	73.3	.84	79.5	83.8	„	0.1					
4 „	.775	.996	78.4	74.0	4.4	72.1	.82	79.0	83.6	„	0.1					
5 „	.815	29.039	78.6	74.0	4.6	72.0	.81	79.1	83.6	„	0.0					
6 „	.841	.036	78.8	74.8	4.0	73.2	.84	79.3	83.6	„	0.0					
7 „	.852	.000	82.3	77.0	5.3	74.9	.79	81.7	83.6	„	0.0					
8 „	.868	.008	83.4	77.5	5.9	75.2	.77	82.5	83.6	W	0.1					
9 „	.858	.008	84.6	77.6	7.0	74.8	.74	83.5	83.7	„	0.2					
10 „	.861	.022	85.6	77.6	8.0	74.4	.70	84.0	83.8	WNW	0.1					
11 „	.848	.000	86.3	78.0	8.3	74.8	.69	84.6	83.9	„	0.3	None.	None.	None.	None.	None.
Noon.	.829	28.954	87.6	79.0	8.6	75.8	.69	85.8	84.0	„	0.4					
1 p. m.	.804	.889	87.8	80.0	7.8	77.2	.72	86.0	84.0	„	0.6					
2 „	.781	.910	88.0	79.0	9.0	75.6	.68	86.1	84.0	„	1.0					
3 „	.746	.928	87.2	77.5	9.7	73.6	.65	86.0	84.2	NW b W	1.2					
4 „	.734	.883	86.0	78.0	8.0	74.9	.70	85.0	84.3	„	1.2					
5 „	.743	.910	84.0	77.0	7.0	74.2	.73	83.7	84.3	„	1.0					
6 „	.757	.905	82.3	77.0	5.3	74.9	.79	82.5	84.2	NW	0.6					
7 „	.778	.984	81.2	75.2	6.0	72.8	.76	81.5	84.1	„	0.8					
8 „	.792	.982	80.8	75.5	5.3	73.3	.79	81.2	84.0	„	0.3					
9 „	.796	29.001	80.4	75.0	5.4	72.8	.78	81.0	84.0	NW b N	0.2					
10 „	.801	.006	80.4	75.0	5.4	72.8	.78	80.9	84.0	„	0.0					
11 „	.794	28.992	79.6	75.0	4.6	73.0	.81	80.0	83.9	„	0.0					
Apr. 27th-Midnight	.792	.969	79.2	75.4	3.8	73.8	.84	80.1	83.8	NW b N	0.0					
1 a. m.	.779	.934	79.4	76.0	3.4	74.7	.86	80.1	83.7	W	0.0					
2 „	.763	.934	79.0	75.5	3.5	74.1	.86	80.0	83.7	WSW	0.0					
3 „	.757	.942	78.5	75.0	3.5	73.5	.86	79.5	83.7	„	0.0					
4 „	.761	.941	78.1	75.0	3.1	73.7	.87	79.0	83.6	„	0.0					
5 „	.783	.988	77.6	74.2	3.4	72.8	.86	78.5	83.6	„	0.0					
6 „	.796	.970	77.5	75.0	2.5	74.0	.89	78.4	83.5	„	0.0					
7 „	.816	.986	80.6	76.0	4.6	74.1	.82	80.5	83.5	„	0.0					
8 „	.834	29.024	83.1	76.2	6.9	73.3	.73	82.1	83.5	„	0.1					
9 „	.832	.014	84.6	76.8	7.8	73.6	.71	83.1	83.6	„	0.0					
10 „	.828	.017	86.0	77.0	9.0	73.4	.67	84.0	83.7	W b S	0.1					
11 „	.821	.021	87.0	77.0	10.0	73.0	.64	85.0	83.8	„	0.1	None.	None.	None.	None.	None.
Noon.	.808	.001	88.2	77.5	10.7	73.2	.62	86.0	83.9	W	0.3					
1 p. m.	.779	28.948	87.8	78.0	9.8	74.1	.65	86.0	84.0	W b N	0.6					
2 „	.749	.876	87.8	79.0	8.8	75.7	.68	86.0	84.0	WNW	0.6					
3 „	.717	.799	86.8	79.8	7.0	77.3	.74	85.7	84.1	„	1.0					
4 „	.712	.774	85.7	80.0	5.7	77.9	.78	85.0	84.1	NW b W	0.8					
5 „	.711	.796	84.0	79.0	5.0	77.2	.81	83.7	84.1	„	0.7					
6 „	.723	.830	82.2	78.0	4.2	76.4	.83	82.5	84.0	„	0.5					
7 „	.751	.845	81.0	78.0	3.0	76.8	.88	82.5	84.0	WNW	0.5					
8 „	.780	.888	80.5	77.5	3.0	76.4	.88	81.0	84.0	„	0.1					
9 „	.796	.956	79.8	76.0	3.8	74.5	.85	80.9	84.0	„	0.1					
10 „	.813	.964	79.0	76.0	3.0	74.8	.88	80.0	84.0	„	0.1					
11 „	.811	.957	78.5	76.0	2.5	75.0	.90	79.7	83.9	„	0.0					
Apr. 29th-Midnight	.754	.912	79.6	76.0	3.6	74.6	.85	80.4	84.0	NW	0.0					
1 a. m.	.743	.901	79.6	76.0	3.6	74.6	.85	80.2	83.8	„	0.0					
2 „	.731	.895	78.8	75.6	3.2	74.3	.87	79.8	83.8	„	0.0					
3 „	.729	.908	78.0	75.0	3.0	73.8	.87	79.2	83.7	„	0.0					
4 „	.740	.916	77.7	75.0	2.7	73.9	.89	79.0	83.6	„	0.0					
5 „	.772	.976	77.2	74.1	3.1	72.8	.87	78.5	83.6	„	0.0					
6 „	.783	.943	78.0	75.5	2.5	74.5	.89	78.8	83.5	W	0.0	None.	None.	None.	None.	None.
7 „	.807	.965	80.5	76.2	4.3	74.5	.83	80.5	83.5	S b W	0.2					
8 „	.828	.947	83.3	78.0	5.3	76.0	.79	82.5	83.5	S	0.6					
9 „	.824	.991	84.0	77.0	7.0	74.2	.73	83.1	83.6	S b W	0.2					
10 „	.818	.969	86.2	78.0	8.2	74.8	.70	84.5	83.7	„	0.5					
11 „	.806	.935	88.0	79.0	9.0	75.6	.68	85.3	83.9	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿i cirri; ∿∿i cirro-cumuli; ∩i cumuli; ∪i cirro-strati; ∩∪i cumulo-strati; and ∿∪i nimbi.	
1	C	A few pieces of ∿∿i above N and ESE hor.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 84°6.
4	R	∿∿i scattered about, moving N.	
7	R	" "	
5	R	" "	
7	R	∿∿i scattered throughout, moving NNW.	
8	B	" " "	
7	B	" " "	
4	B	" " "	
1	B	∿∿i scattered above E and W hor.; light haze along E hor.	
0	C	A few pieces of ∿∿i above N hor.; haze along E hor.	
0	C	" " "	
0	C	Haze along E hor.	
0	C	" "	
1	R	Light ∿i scattered around hor.	
1	R	Light ∿i scattered along E hor.	
1	R	" "	
0	R	Cloudless.	
0	B	"	
0	B	A few ∿i above SE hor.	
0	B	Cloudless.	
0	B	A few ∿∿i in W and E hor.	
1	C	∿∿i scattered above E and W hor.	
1	C	Pieces of ∿∿i scattered about, moving W.	
5	C	∿∿i scattered about, moving W.	
5	C	∿∿i scattered about, moving W; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 84°6.
4	R	" " "	
7	R	∿∿i scattered throughout, moving WNW.	
6	R	∿∿i scattered about, moving W.	
5	R	∿∿i scattered throughout; dew falling.	
4	B	" "	
3	B	∿∿i scattered throughout, moving W.	
2	B	∿∿i scattered about hor.; haze along E hor.	
2	B	" " "	
1	C	∿∿i scattered around hor.; mist and haze in hor.	
0	C	Haze along E hor.	
0	C	" "	
0	C	Cloudless.	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	R	Light haze along E hor.	
0	R	Cloudless.	
0	R	Cloudless; dew falling.	
2	R	∿∿i scattered here and there.	
3	R	∿∿i scattered about, moving ENE.	
6	R	∿∿i scattered throughout; dew falling.	
5	C	∿∪i scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 84°6.
6	R	∿∪i scattered about, moving ESE.	
6	R	" "	
4	R	∿∪i scattered about; dew falling.	
4	R	∿∪i around hor.; ∿∿i scattered about; dew falling.	
4	B	∿∪i and ∿∿i scattered about, the former moving SE; dew falling.	
4	B	∿∪i and ∿∿i scattered about, the former moving E.	
5	B	∿∪i and ∿∿i scattered about, the former moving NE.	
6	B	" " "	
5	C	∿∪i and ∿∿i scattered about, the former moving N.	
4	C	" " "	
4	C	∿∿i scattered about.	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 6 feet in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 29th-Noon.	29.791	28.895	88·8	79·8	9·0	76·5	0.68	86·2	84·0	SSW	0.5					
1 p. m.	.767	.881	89.3	79.7	9.6	76.1	.66	86.5	84.0	S b W	0.6		+	2		4.10
2 ,,	.745	.889	89.4	79.0	10.4	75.1	.64	86.9	84.1	SSW	0.5					
3 ,,	.728	.857	89·6	79.4	10.2	75.6	.64	87.0	84.3	SW b W	0.5					
4 ,,	.714	.854	89.0	79.0	10.0	75.2	.65	86.7	84.4	,,	0.5					
5 ,,	.726	.872	86·5	78.2	8.3	75.0	.70	85.5	84.4	,,	0.3	None.			None.	
6 ,,	.748	.909	84.2	77.2	7.0	74.4	.73	84.0	84.3	,,	0.1					
7 ,,	.758	.921	83·6	77.0	6.6	74.4	.75	83 2	84.3	,,	0.1					
8 ,,	.770	.954	82.0	76.0	6·0	73.6	.77	82 5	84.2	,,	0.0					
9 ,,	.761	.936	81.2	76.0	5.2	73.9	.79	82.0	84.3	,,	0.0					
10 ,,	.762	.935	81.0	76.0	5.0	74.0	.80	81.6	84.3	,,	0.0					
11 ,,	.762	.931	80.6	76.0	4.6	74.1	.82	81.3	84.2	WNW	0.2					
Apr. 30th-Midnight	.746	.908	80·0	76.0	4·0	74.4	.84	81.0	84.1	WNW	0.2					
1 a. m.	.738	.898	79.8	76.0	3.8	74.5	.85	80.5	84.0	NW b W	0.2					
2 ,,	.735	.892	79.5	76.0	3.5	74.6	.86	80.1	84.0	,,	0.2					
3 ,,	.737	.890	79.2	76.0	3.2	74.7	.87	80.0	84.0	,,	0.2					
4 ,,	.741	.909	78·8	75.5	3.3	74.2	.86	79.6	83.9	NW	0.2					
5 ,,	.774	.979	78.7	74.5	4.2	72.8	.83	79.3	83.7	,,	0.0					
6 ,,	.787	.968	78.2	75·0	3.2	73.7	.87	79.0	83.6	,,	0 0					
7 ,,	.814	.978	80.2	76.0	4.2	74.3	.83	80.2	83·6	NW b N	0.1					
8 ,,	.834	.973	82.2	77.2	5.0	75.2	.80	81.8	83.6	NE b N	0·1					
9 ,,	.831	.996	84.6	77.2	7.4	74.3	.72	83.1	83 7	NE	0.1					
10 ,,	.837	29.016	85.8	77.2	8.6	73.8	.68	84.0	83.8	NE b E	0.1					
11 ,,	.823	.017	87.2	77.2	10·0	73.2	.64	84.7	83.9	SW b S	0.1	None.			None.	
Noon.	.817	28.999	89.0	78.0	11.0	73·6	.62	86 0	84·0	W b S	0.1					
1 p. m.	.790	.940	89.9	79.0	10.9	74.8	·62	86.5	84.0	WSW	0.4					
2 ,,	.775	.958	89.8	78·2	11.6	73.6	·60	87.0	84.2	W	0.5					
3 ,,	.764	.932	89.7	78.5	11.2	74 2	.58	87.0	84.4	,,	0.6		+	1		Above 10m.
4 ,,	.753	.886	88.4	79 0	9.4	75.5	.67	86 5	84.4	W b N	0.6					
5 ,,	.768	.933	85.5	77.5	8.0	74 3	.70	85·0	84 5	,,	0.3					
6 ,,	.787	.951	83.7	77.0	6.7	74.3	.74	83.8	84.5	WNW	0.2					
7 ,,	.796	.973	82.4	76.3	6.1	73.8	.77	82.8	84.4	NW b W	0.3					
8 ,,	.813	.975	81.8	76.5	5.3	74.4	.79	82 2	84.3	,,	0.2					
9 ,,	.814	.950	81.2	77.0	4·2	75.4	.83	81.9	84.3	,,	0.4					
10 ,,	.816	.946	80·6	77.0	3.6	75.6	.85	81.4	84.2	NW	0.2					
11 ,,	.816	.941	80.2	77.0	3.2	75.8	.87	81.0	84.1	NW b N	0.3					
May. 1st-Midnight	.797	.927	79.9	76.8	3.1	75.6	.87	80.8	84.1	NW b N	0.3					
1 a. m.	.779	.916	79.5	76.5	3.0	75.3	.88	80.0	84.0	,,	0.2					
2 ,,	.771	.919	78.7	76.0	2.7	74.9	·89	79.5	84.0	NNW	0.4					
3 ,,	.769	.916	78.6	76.0	2.6	75.0	.89	79.5	84.0	N b W	0.4					
4 ,,	.787	.931	78.4	76.0	2.4	75.1	.90	79.0	83.8	,,	0.5					
5 ,,	.807	.957	78.2	75.8	2 4	74.8	.90	79.0	83.6	N	0.2					
6 ,,	.825	29.004	78.7	75.2	3.5	73.8	.86	79.2	83.6	,,	0.2					
7 ,,	.867	.030	81.0	76 0	5.0	74.0	.80	80.8	83.7	,,	0.3					
8 ,,	.872	.037	83.8	77.0	6.8	74.3	.74	82.7	83.7	NNW	0.4					
9 ,,	.869	.051	85.4	77.0	8.4	73 6	.69	84.0	83.8	,,	0.2					
10 ,,	.863	.018	86 5	78.0	8.5	74.7	·69	85.0	84 0	NW	·0.6					
11 ,,	·850	28·962	87.2	79.2	8.0	76.2	.71	85.9	84.1	,,	0.7	None.			None.	
Noon.	.833	.957	87.5	79 0	8.5	75.8	69	86.1	84.1	,,	0.6					
1 p. m.	.812	.895	87.6	80.0	7.6	77.2	.72	86.0	84.1	WNW	0.8		+	1		Above 10m.
2 ,,	.788	.831	87.6	80.0	7.6	77.2	.72	86.0	84.2	W b N	0.6					
3 ,,	.773	.865	86 6	79.5	7.1	76.9	.74	85.6	84 3	WNW	0.8					
4 ,,	.762	.829	85 4	79.8	5.6	77.8	.79	84.9	84.3	,,	0.8					
5 ,,	.765	.848	83.8	79.0	4.8	77·2	.81	83 6	84.3	,,	0.8					
6 ,,	.781	.846	82.2	79.0	3 2	77.8	.87	82.6	84.2	,,	0.8					
7 ,,	.800	.856	81.4	79.0	2.4	78.1	.90	82.0	84.2	N b W	0.6					
8 ,,	.807	.859	81.0	79·0	2.0	78.3	.92	81.7	84.2	NW	0.7					
9 ,,	.835	.918	81·2	78.3	2 9	77.2	.88	82.0	84.1	,,	0.8					
10 ,,	.834	.925	81.1	78.1	3.0	76·9	.88	81·8	84.1	,,	0.8					
11 ,,	.831	.922	81.1	78.1	3.0	76.9	.88	81.6	84.1	NW b N	0.7		+	2		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌒≀ cirro-strati; ∩⌒≀ cumulo-strati; and ≀≀≀ nimbi.	
4	C	≀≀ scattered about.	
5	R	≀≀ scattered about, moving N.	
4	R	≀≀ scattered about, moving NNE.	
4	R	≀≀ scattered about, moving ENE.	
5	R	" "	
4	B	" "	
4	B	" "	
3	B	" "	
2	B	≀≀ scattered about hor., moving ENE.	
4	C	≀≀ scattered about, moving ESE.	
3	C	≀≀ scattered about hor., moving ESE.	
3	C	≀≀ scattered about hor., moving E.	
3	C	≀≀ scattered about hor., moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 84°6. This was the 17th day on which the direction of wind was abnormal.
4	R	≀≀ scattered about, moving E.	
4	R	≀≀ scattered about hor., moving ESE.	
5	R	" " "	
6	R	≀≀ scattered about, moving SE.	
3	B	≀≀ scattered about, moving SSE.	
3	B	" "	
4	B	" "	
3	B	≀≀ and ≀≀ scattered about, the former moving SSW.	
3	C	≀≀ and ≀≀ scattered about, the former moving W.	
3	C	≀≀ and ≀≀ scattered about, the former moving NW.	
2	C	≀≀ scattered about hor.	
2	C	" "	
0	R	A few pieces of ≀≀ above W hor.	
0	R	Cloudless.	
0	R	A few pieces of ≀≀ in E hor.	
1	R	Patches of ≀≀ scattered along E hor.	
0	B	A few pieces of ≀≀ above E and N hor.	
0	B	A few pieces of ≀≀ in E hor.	
0	B	Cloudless.	
0	B	"	
0	C	"	
0	C	"	
0	C	A few pieces of ≀≀ above SE hor.	
2	C	≀≀ scattered about hor., moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 84°6. At 8 A. M. barometer was 29·872, highest reading in the month. At 5 A. M. temperature of air was 78·2, lowest reading in the month.
4	R	≀≀ scattered about, moving SE; dew falling.	
7	R	" " "	
7	R	≀≀ scattered about, moving SSE; dew falling.	
5	R	≀≀ scattered about, moving SE; dew falling.	
5	B	≀≀ and light ≀≀ scattered about, the latter moving SE; dew falling.	
3	B	≀≀ scattered about hor., moving N.	
3	B	" "	
3	B	≀≀ scattered about, moving NNW.	
2	C	≀≀ scattered about hor.	
2	C	" "	
1	C	" "	
0	C	A few pieces of ≀≀ around hor.	
0	R	" "	
1	R	≀≀ scattered along E hor.	
1	R	" "	
1	R	" "	
2	R	≀≀ scattered around hor.	
3	R	" "	
4	R	≀≀ scattered about, moving SE.	
5	R	" "	
5	B	" "	
3	B	≀≀ scattered about hor., moving SE.	
4	B	≀≀ and ≀≀ scattered about, the former moving SSE.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering same degree of intensity after discharge.
	in.	in.									lbs.	in.		Se. div.	Se. div.	m. s.
May 2nd-Midnight	29.825	28.920	81°1	78°0	3°1	26°8	0.87	81°5	84.1	NNW	0.4		+	3		2.50
1 a. m.	.789	.888	80.0	77.6	2.4	76.7	.90	80.8	84.0	N b W	0.3		+	3		1.47
2 „	.776	.892	79.4	77.0	2.4	76.1	.90	80 2	84.0	N	0.2					
3 „	.773	.894	79.8	77.0	2.8	75.9	.88	80.3	84.0	„	0.4					
4 „	.779	.934	79.4	76 0	3.4	74.7	.86	80.0	83.9	N b W	0.4					
5 „	.781	.919	79.6	76.5	3.1	75.3	.87	79.9	83.7	NNW	0.1					
6 „	.811	.914	80.0	77.5	2.5	76.5	.90	80.0	83.7	„	0.2					
7 „	.824	.912	82.4	78.5	3.9	77.0	.85	82.0	83 7	„	0.2					
8 „	.838	.941	85.6	79.0	6.6	76.5	.75	84.0	83.9	„	0.2					
9 „	.861	.973	87.2	79.2	8.0	76.2	.71	85.2	84.1	NW	0.3					
10 „	.858	.892	88.3	81.3	7.0	78.9	.74	86.0	84.1	NW b N	0.3	None.			None.	
11 „	.844	.868	89.0	81.7	7.3	79.2	.74	86.7	84.2	„	0.6					
Noon.	.825	.849	89.0	81.7	7.3	79.2	.74	86.9	84.3	„	0.4					
1 p. m.	.777	.799	90.0	82.0	8.0	79.3	.72	87.8	84.5	W	0.2					
2 „	.750	.816	90.0	81.0	9.0	77.8	.68	88.0	84.7	„	0.4		+	1		Above 10m.
3 „	.727	.830	88.0	79.6	8.4	76.5	.70	87.0	84.8	WNW	0.8		+	1		Above 10m.
4 „	.712	.804	87.0	79.6	7.4	76 9	.73	86.2	84 8	„	1.5					
5 „	.714	.808	84.8	79.0	5.8	76.8	.78	84.9	84.7	„	0·8					
6 „	.723	.836	84.2	78.4	5.8	76.2	.78	84.1	84.6	„	0.7					
7 „	.740	.816	83.2	79.0	4.2	77.5	.83	83.5	84.7	NW	0.8					
8 „	.771	.843	82.8	79.0	3.8	77.6	.85	83 0	84.6	„	0.8					
9 „	.795	.942	82.2	77.0	5.2	76·0	.80	82.5	84.5	„	1.0			5		
10 „	.816	.963	82.2	77.0	5.2	75.0	.80	82 4	84.5	„	1.2					
11 „	.797	.919	81.8	77.5	4.3	75.9	.83	82.2	84.5	„	1.0					
May 3rd-Midnight	.779	.917	81.4	77.0	4.4	75.3	.82	82.1	84.4	NW	1.0		+	1		Above 10m.
1 a. m.	.756	.893	81.3	77.0	4.3	75.3	.83	81.9	84.4	NW b N	0.5		+	1		Above 10m.
2 „	.752	.925	81.0	76.0	5.0	74·0	.80	81.4	84.4	NNW	0.1		+	2		Above 10m.
3 „	.744	.906	80.0	76.0	4.0	74.4	.84	80.7	84.3	„	0.0		+	1		Above 10m.
4 „	.753	.911	79 6	76.0	3.6	74.6	.85	80.3	84.2	„	0.0					
5 „	.767	.953	78.6	75.0	3.6	73.5	.85	79.7	84.1	„	0.0					
6 „	.795	.978	78.4	75.0	3.4	73 6	.86	79.4	84.0	„	0.0					
7 „	.825	.899	83.0	79.0	4.0	77.5	.84	82.2	84.1	SW	0.2					
8 „	.846	.938	84.6	79.0	5.6	76.9	.79	83.7	84.1	S	0.2					
9 „	.861	.971	86.0	79.2	6.8	76.3	.71	84.5	84 2	„	0.4					
10 „	.859	.982	87.2	79 2	8.0	75.8	.71	85.2	84.2	„	0.5					
11 „	.852	.992	89.0	79.0	10.0	75.2	.75	86.0	84.3	„	0.4	None.			None.	
Noon.	.841	.972	89.8	79.4	10.4	75.5	.64	87.0	84.4	S b W	0.4					
1 p. m.	.803	.922	91.0	80.0	11.0	76.0	.63	87.9	84.7	SW	0.3					
2 „	.778	.875	90.6	80.4	10.2	76.7	.65	88.0	84.8	„	0.2					
3 „	.763	.860	90.6	80.4	10.2	76.7	.65	88.0	84.9	„	0.4		+	1		Above 10m.
4 „	.747	.862	89.6	80.0	9 6	76.1	.67	87.6	85.0	WSW	0.3		+	1		Above 10m.
5 „	.747	.823	87.0	80.0	7 0	77.5	.74	86 5	85.0	W b S	0.2					
6 „	.748	.835	84.2	79.0	5.2	77.1	.80	84.9	85.0	„	0.1					
7 „	.761	.870	82.4	78.0	4.4	76.3	.83	83.4	84.9	W	0.3					
8 „	.758	.874	81.6	77.6	4.0	76.1	.84	82.5	84.8	„	0.3					
9 „	.778	.888	81.3	77.7	3.6	76.3	.86	82 2	84.7	„	0.2					
10 „	.802	.936	81.0	77.0	4.0	75.4	.84	82 0	84.7	„	0.2					
11 „	.792	.924	80.8	77.0	3.8	75.5	.85	81.5	84.6	WNW	0.1					
May 4th-Midnight	.782	.940	80.4	76.2	4.2	74.6	.83	81.2	84.6	WNW	0.2		+	1		Above 10m.
1 a. m.	.758	.916	80.4	76.2	4.2	74.6	.83	81.1	84.5	NW	0.2		+	1		Above 10m.
2 „	.749	.905	80.2	76.2	4.0	74.6	.84	81.0	84 5	„	0.2		+	1		Above 10m.
3 „	.750	.904	79.3	76.0	3.3	74.7	.86	80.2	84 5	„	0.0		+	1		Above 10m.
4 „	.763	.914	79.0	76 0	3.0	74.8	.88	79.9	84.4	„	0.0					
5 „	.771	.915	78.4	76.0	2 4	75.1	.90	79 7	84.2	„	0.0					
6 „	.797	.907	78.8	77.0	1.8	76.3	.92	80.0	84.1	N	0.0	None.			None.	
7 „	.821	.926	82.0	78.0	4.0	76 5	.84	81.8	84.1	N b E	0.1					
8 „	.842	.953	84 5	78 5	6.0	76.3	.77	83.2	84.2	„	0.2					
9 „	.851	.981	84.3	78 0	6.3	75.6	.76	83.5	84.2	„	0.1					
10 „	.850	.986	85 6	78.2	7.4	75 4	.73	84.2	84.2	WNW	0.2					
11 „	.841	.989	87.4	78.4	9.0	74.9	.67	85 0	84 3	SW b W	0 2					

Amount of Clouds (0—8.	Observers.	State of the Weather.	Remarks.
		Nota.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ∿ nimbi.	
3	B	∿ and ∿ scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 84°7 and 84°8.
3	C	∿ and ∿ scattered about hor.; dew falling.	
5	C	∿ scattered about, moving E; dew falling.	
8	C	Overcast with ∿; a few stars dimly visible.	
7	C	Densely clouded with ∿, moving E.	
7	R	" "	
4	R	∿ scattered about, moving E; mist and haze in hor.	
5	R	∿ scattered about, moving E; haze along E hor.	
6	R	" " "	
5	B	∿ scattered about, moving N.	
3	B	" "	
2	B	∿ scattered about hor.	
2	B	" "	
4	C	∿ scattered in E. hem., moving W.	
6	C	∿ scattered throughout, except in N and NW, moving W.	
7	C	∿ scattered throughout, moving NW.	
7	C	∿ scattered throughout, moving NNW.	
5	R	" " "	
3	R	∿ scattered about hor.	
3	R	" "	
2	R	∿ scattered around hor.; fresh breezes.	
1	B	" " "	
1	B	" " "	
0	B	A few pieces of ∿ scattered around hor.	
1	B	∿ scattered around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 85°0 and 85°0.
1	C	" "	
0	C	A few pieces of ∿ around hor.; dew falling.	
0	C	Cloudless; dew falling.	
0	C	" "	
1	R	Patches of ∿ scattered here and there, moving E; dew falling.	
4	R	∿ scattered about, moving E.	
6	R	∿ scattered throughout, moving E; light haze along E hor.	
5	R	∿ scattered about, moving N; light haze along E hor.	
3	B	∿ scattered about, moving NNE; light haze along E hor.	
0	B	A few pieces of ∿ above N hor.	
0	B	A few pieces of clouds above N and W hor.	
0	B	Cloudless.	
0	C	A few pieces of ∿ along E hor.	
0	C	Cloudless.	
0	C	A few pieces of ∿ along E hor.	
0	C	" "	
1	R	∿ scattered around hor.	
3	R	∿ scattered about.	
2	R	∿ scattered here and there.	
0	R	Cloudless, except in hor.	
0	B	A few pieces of ∿ around hor.	
2	B	∿ scattered here and there.	
4	B	∿ and ∿ scattered about, the latter moving SSE.	
5	B	∿ and ∿ scattered about, the former moving SSE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°2 and 85°2.
3	C	∿ and ∿ scattered about, the former moving SE.	
3	C	" " "	
3	C	Clouded as before; dew falling.	
3	C	∿ and ∿ scattered about hor.; dew falling.	
2	R	∿ scattered about hor., moving SE; dew falling.	
5	R	∿ scattered here and there, moving SE.	
4	R	∿ scattered about hor., moving SE.	
4	R	∿ scattered here and there, moving SSE.	
4	B	" " "	
1	B	Masses ∿ scattered along E hor.	
1	B	∿ scattered along E hor., moving ESE.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 4th-Noon.	28 827	28.990	89°2	78°5	10°7	71°4	0.63	86°2	84°3	SW b S	0.3					
1 p. m.	.789	.944	90.0	78.9	11.1	74.7	.62	87.0	84.5	SW	0.2					
2 „	.765	.903	90.8	79.5	11.3	75.3	.62	87.8	84.7	„	0.2					
3 „	.749	.866	88.4	79.4	9.0	76.0	.68	86.9	84.7	„	0.2					
4 „	.744	.866	87.4	79.0	8.4	75.9	.69	86.2	84.7	SW b W	0.2					
5 „	.750	.846	85.0	79.0	6.0	76.8	.77	85.0	84.8	„	0.4	None.	None.	None.	None.	None.
6 „	.758	.865	84.5	78.6	5.9	76.4	.77	84.4	84.8	WSW	0.1					
7 „	.773	.870	83.2	78.5	4.7	76.7	.82	83.5	84.8	„	0.1					
8 „	.786	.897	82.5	78.0	4.5	76.3	.82	83.0	84.7	„	0.0					
9 „	.793	.920	81.8	77.5	4.3	75.9	.83	82.4	84.6	W	0.0					
10 „	.804	.921	81.6	77.6	4.0	76.0	.84	82.1	84.6	„	0.0					
11 „	.799	.933	81.0	77.0	4.0	75.4	.84	81.9	84.5	„	0.0					
May 6th-Midnight	.790	.924	81.0	77.0	4.0	75.4	.84	81.9	84.7	SW	0.0					
1 a. m.	.760	.887	80.4	77.0	3.4	75.7	.86	81.3	84.7	„	0.0					
2 „	.758	.883	80.2	77.0	3.2	75.8	.87	81.0	84.6	„	0.0					
3 „	.758	.920	80.0	76.0	4.0	74.4	.84	81.0	84.6	„	0 0					
4 „	.768	.912	79.8	76.4	3.4	75.1	.86	80.8	84.5	„	0.0					
5 „	.789	.937	78.7	76 0	2.7	74.9	.89	80.1	84.4	„	0.0					
6 „	.799	.944	79.2	76.2	3.0	75.0	.88	80.0	84.4	„	0.0					
7 „	.826	.940	82·8	78 0	4.8	76.1	.81	82.0	84 5	„	0.1					
8 „	.837	.987	84.6	77.6	7·0	74.8	.74	83.2	84.5	WNW	0.1					
9 „	.855	29.000	85.6	78.0	7.6	75.0	.72	83.9	84.5	NW b W	0.1					
10 „	.850	28.975	87.6	79.0	8.6	75.8	.69	85.0	84.5	W b N	0.1					
11 „	.835	.967	88.3	79.0	9.3	75.5	.67	85.6	84 6	W	0.1					
Noon.	.820	.948	89.5	79.4	10.1	75.6	.65	86.3	84.6	„	0.1	None.	None.	None.	None.	None.
1 p. m.	.779	.883	91.2	80.4	10.8	76.5	.63	87.8	84.8	SW	0.1					
2 „	.755	.837	91.5	81.0	10.5	77.3	.64	88.0	84.9	„	1.3					
3 „	.742	829	92.0	81.0	11.0	77.1	.63	88.4	85.0	„	0.1					
4 „	.731	.828	90.6	80.4	10.2	76.7	.65	88.0	85.0	„	0.2					
5 „	.737	.820	87.6	80.0	7.6	77.2	.72	86.5	85.2	„	0.3					
6 „	.752	.836	85.4	79.4	6.0	77.2	.77	85.5	85.2	„	0.1					
7 „	.764	.849	84.0	79.0	5.0	77.2	.81	84.0	85.2	„	0.2					
8 „	.786	.866	83 5	79.0	4.7	77.3	.82	83.9	85.1	WSW	0.4					
9 „	.814	.930	83.0	78.0	5.0	76.1	.80	83.2	85.1	W b S	0.2					
10 „	.814	.927	82.7	78.0	4.7	76.2	.82	83.0	85.1	„	0.1					
11 „	.815	.947	81.8	77·3	4.5	75.5	.82	82.3	85.0	„	0.0					
May 7th-Midnight	.803	.935	80.8	77.0	3.8	75.5	.85	81.3	85.0	W b S	0.0					
1 a. m.	.765	.924	80·1	76.1	4.0	74.5	.84	81.0	84.9	„	0.0					
2 „	.750	.912	80.0	76.0	4.0	74.4	.84	81.0	84.8	„	0 0					
3 „	.743	.909	79.0	75.6	3.4	74.3	.86	80.3	84.7	„	0.0					
4 „	.752	.929	78.6	75.2	3.4	73.8	.86	80.0	84.6	„	0.0					
5 „	.762	.920	79 6	76.0	3.6	74.6	.85	80.1	84.5	„	0.0					
6 „	.779	.905	80·3	77.0	3.3	75.7	.86	80 9	84.5	„	0.0					
7 „	.795	.926	84.4	78.0	6.4	75.5	.76	83.0	84.6	„	0.0					
8 „	.811	.911	85·4	79 0	6.4	76.6	.76	84.0	84.5	NNE	0.0					
9 „	.830	.949	86.3	78.8	7.5	76.0	.72	84.2	84.5	„	0.1		+	1	0	Above 10m.
10 „	.825	.964	87.0	78.5	8 5	75 2	.69	85.0	84.6	WNW	0.2					
11 „	.819	·971	88.2	78.5	9.7	74.8	.66	85.9	84.7	W	0.1	None.	+	1	None.	Above 10m.
Noon.	.809	.931	89.3	79.5	9.8	75.9	.66	86.5	84.8	„	0.1					
1 p. m.	.774	.885	90·3	80.0	10.3	76.3	.64	87.2	84.9	W b S	0.1		+	1		Above 10m.
2 „	.757	.865	90.0	80.0	10.0	76.4	.65	87.4	85 0	WSW	0.3					
3 „	.739	.832	90.6	80.5	10.1	76.9	.65	88.0	85.1	„	0 3		+	1		Above 10m.
4 „	.736	.840	89 5	80.0	9.5	76.5	.67	87.7	85.2	W	0 2					
5 „	.731	.805	86.8	80·0	6.8	77.5	.75	86.5	85.3	„	0.4					
6 „	.743	.839	85.0	79.0	6.0	76.8	.77	85.3	85·3	WSW	0.2					
7 „	.744	.822	83 4	79.0	4.4	77.4	.83	84.0	85.2	„	0.1					
8 „	·746	.856	82 6	78.5	4 1	77.0	.84	83 2	·85.1	SW	0.1					
9 „	.790	.889	82 2	78.2	4 0	76.7	.84	83.0	85.1	SW b S	0.1					
10 „	.801	.906	82.0	78.0	4.0	76.5	.84	82.5	85 1	„	0.2					
11 „	.801	·904	81 8	78.0	3 8	76.5	.85	82 3	85 0	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒i cirro-cumuli; ⌒i cumuli; ⌒i cirro-strati; ⌒i cumulo-strati; and ⌒i nimbi.	
0	B	A few pieces of clouds floating E.	
2	C	⌒i scattered around hor.	
4	C	⌒i scattered here and there.	
6	C	⌒i scattered about, moving NE.	
7	C	⌒i above E hor.; ⌒i scattered about, moving ENE.	
7	C	⌒i around hor.; ⌒i scattered about, moving NE.	
7	C	" " "	
3	C	⌒i and ⌒i scattered about, the former moving NE.	
2	C	" " "	
2	C	" " "	
4	C	" " "	
2	C	⌒i and ⌒i scattered about hor.	
2	B	⌒i scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 85°2 and 85°2.
2	C	⌒i scattered about hor., moving ESE; dew falling.	
2	C	" " "	
3	C	" " "	
2	C	" " "	
5	R	⌒i scattered about, moving E; dew falling.	
4	R	⌒i scattered about hor., moving E.	
5	R	⌒i scattered about here and there, moving E.	
3	C	⌒i scattered about hor., moving E.	
2	B	" "	
1	B	" "	
0	B	A few pieces of ⌒i scattered around hor.	
0	B	A few pieces of clouds above NE hor.	
0	C	A few pieces of clouds in E hor.	
0	C	" "	
1	C	⌒i scattered along E hor.	
2	C	⌒i scattered along E hor., moving E.	
4	R	⌒i scattered about, moving E.	
5	R	" "	
5	R	" "	
4	R	⌒i scattered about, moving ESE.	
2	B	⌒i scattered about hor., moving ESE.	
4	B	⌒i scattered about, moving ESE.	
2	B	⌒i scattered about hor., moving SE.	
2	B	⌒i scattered about hor., moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°2 and 85°2.
2	C	Clouded as before; dew falling.	
2	C	" "	
1	C	⌒i scattered around hor.; dew falling.	
3	C	⌒i scattered about, moving SE; dew falling.	
8	R	Overcast with ⌒i, moving E.	
7	R	Densely clouded with ⌒i, moving SSE.	
5	R	⌒i scattered about, moving E.	
5	R	" "	
2	B	⌒i scattered about hor., moving SSW.	
0	B	A few masses of ⌒i in E and W hor.	
0	B	A few masses of ⌒i in W hor.	
0	B	" "	
0	C	A few masses of ⌒i in E hor.	
0	C	A few masses of clouds along E hor.	
0	C	Masses of light ⌒i scattered here and there, moving SE.	
3	C	⌒i scattered about, moving SE.	
4	R	" "	
0	R	Masses of ⌒i scattered around hor.	
2	R	" "	
0	R	Cloudless, except in hor.	
0	B	A few pieces of clouds in W hor.	
2	B	⌒i scattered about, moving E.	
4	B	" "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in reconveying the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 8th-Midnight	29.784	28.901	81°6	77°6	4°0	76°0	0.84	82°2	85°0	SW b S	0.1					
1 a. m.	.761	.897	81·2	77·0	4.2	75.4	·83	82.0	85.0	,,	0.1					
2 ,,	.748	.884	81.2	77·0	4.2	75.4	.83	81.9	85.0	,,	0.0					
3 ,,	.744	.878	81.0	77.0	4.0	75.4	.84	81.7	84.9	,,	0.0					
4 ,,	.754	·884	80.6	77.0	3.6	75.7	.85	81.5	84.8	,,	0.0					
5 ,,	.756	·883	80.4	77.0	3.4	75.7	.86	81.0	84.7	,,	0.0					
6 ,,	.784	·929	80.2	76.5	3.7	75.0	.85	81.0	84.6	,,	0·0					
7 ,,	.805	.936	82.6	77.5	5 1	75.5	.80	82.5	84.6	,,	0.0					
8 ,,	.821	·959	85.0	78.0	7.0	75.3	.74	84.0	84.6	,,	0.1					
9 ,,	.844	.994	86.8	78.2	8.6	74 8	.69	84·9	84.7	,,	0.1					
10 ,,	.845	29.004	88.0	78.3	9.7	74.5	.65	85.6	84·7	SW	0.2	None.	None.	None.	None.	None.
11 ,,	·832	28·966	89.2	79.2	10.0	75.4	.65	86.2	84.8	,,	0·1					
Noon.	.814	·922	90.0	80.0	10.0	76 0	.65	87.0	85.0	,,	0.4					
1 p. m.	.779	·855	91.0	81.0	10.0	77.5	.66	87.8	85·1	,,	0.1					
2 ,,	.750	,869	91.0	80.0	11.0	76.0	.63	88.3	85.3	,,	0.3					
3 ,,	·733	.887	91·0	79.2	11.8	74.7	.60	88.4	85.3	W	0.2					
4 ,,	·725	.876	90.0	79.0	11.0	74.8	.62	88.0	85.4	W b S	0.2					
5 ,,	.721	.848	87.8	79.0	8.8	75.7	.68	86.7	85.4	SW b W	0.1					
6 ,,	.729	.852	85.6	78.5	7.1	75.8	.73	86.0	85.5	SW	0.2					
7 ,,	.742	·866	83.7	78.0	5.7	75.8	.78	84.0	85.5	,,	0.1					
8 ,,	.762	.878	83.0	78.0	5.0	76.1	.80	83·5	85.4	,,	0.4					
9 ,,	·780	·911	82.6	77.5	5.1	75.5	.80	83.1	85.4	,,	0.3					
10 ,,	.789	.936	82.2	77.0	5.2	75.0	.80	82·9	85.2	,,	0.1					
11 ,,	·787	.932	82.0	77.0	5.0	75.0	.80	82.5	85.1	,,	0.0					
May 9th-Midnight	.775	.954	81.5	76.0	5.5	73.8	.79	82.2	85.1	SW	0.0					
1 a. m.	.737	.908	80.8	76 0	4.8	74·1	.81	81.9	85.1	,,	0.1					
2 ,,	.722	.904	80.0	75·5	4.5	73.6	.82	81·0	85.0	,,	0.0					
3 ,,	.716	.913	79.6	75.0	4.6	73.1	.81	80.9	84.9	,,	0.0					
4 ,,	.718	.906	78.7	75.0	3.7	73.4	.85	80·0	84 9	,,	0.0					
5 ,,	.736	.919	78.4	75.0	3.4	73.7	.86	79.5	84.7	,,	0.0					
6 ,,	.758	.946	78.8	75.0	3.8	73.4	.84	79.7	84 5	,,	0.0					
7 ,,	.774	.964	82.5	76.0	6 5	73.3	.75	82.0	84.6	,,	0.0					
8 ,,	.798	.969	84.4	77.0	7.4	74.1	.72	83.2	84.6	,,	0.0					
9 ,,	.820	29.002	86.1	77.2	8.9	73.6	.67	84.2	84.6	,,	0.1					
10 ,,	.818	.003	87.5	77.5	10.0	73.5	.65	85.0	84 7	WSW	0.2					
11 ,,	.812	28.981	89.3	78.5	10.8	74.1	.62	86.0	84.8	SW	0.1	None.			None.	
Noon.	.794	.956	91.0	79.0	12.0	74.4	.59	87.0	85.0	,,	0.4					
1 p. m.	.743	.899	91.2	79.2	12.0	74.6	.59	87.9	85.1	,,	0.3		+	1		Above 10m.
2 ,,	.724	.870	91.5	79.5	12.0	75.0	.60	88.1	85.2	,,	0.1		+	1		Above 10m.
3 ,,	.711	.832	91.2	80 0	11.2	75.9	.62	88.6	85.3	SW b W	0.4		+	1		Above 10m.
4 ,,	.707	.854	89.6	79.0	10.6	76.0	.63	87.9	85.5	WSW	0.3		+	1		Above 10m.
5 ,,	.719	.890	88.0	78.0	10.0	74.1	.65	87.0	85.4	SW	0.3					
6 ,,	.728	.873	85.6	78.0	7.6	75.0	.72	85.7	85.3	,,	0.5					
7 ,,	.750	·881	84.4	78.0	6.4	75.5	.76	84.3	85.5	,,	0·4					
8 ,,	.766	.929	83.6	77·0	6.6	74.4	.75	84.0	85 4	,,	0.2					
9 ,,	.781	.968	83.0	76.2	6.8	73.5	.74	83.3	85.2	,,	0.2					
10 ,,	.783	.935	82.6	77.0	5.6	74.8	.78	83.0	85 2	,,	0.2					
11 ,,	.776	.952	82.3	76.3	6.0	73.9	·77	82.7	85.1	,,	0.2					
May 10th-Midnight	·763	.904	81.6	77.0	4.6	75 2	.82	82.2	85.1	SW	0.0					
1 a. m.	.745	.914	81.4	76 2	5.2	74.1	.79	82·0	85.1	,,	0.0					
2 ,,	.738	.905	81.2	76 2	5.0	74.2	·80	81.9	85.1	,,	0.1					
3 ,,	.738	.894	81.2	76.5	4.7	74 6	.81	81.8	85·0	,,	0.1					
4 ,,	.738	.894	81.2	76·5	4.7	74·6	.81	81.8	85.0	SW b W	0·1	None.	None.	None.	None.	None.
5 ,,	.742	.876	81.0	77.0	4.0	75·4	.84	81.4	84.8	W b S	0.2					
6 ,,	.773	.946	81.0	76.0	5.0	74.0	.80	81.5	84.8	W	0.1					
7 ,,	.798	.958	83.4	77.0	6 4	74 5	.75	83·1	84.8	,,	0.1					
8 ,,	.815	.975	85.2	77.5	7.7	74.5	·71	84 2	84.8	,,	0.1					
9 ,,	·836	.994	86.8	78.0	8.8	74.6	.68	85.2	84.8	W b N	0.2					
10 ,,	.835	.995	87.7	78.2	9.5	74.5	.66	85.9	85.0	W b S	0.1					
11 ,,	.827	·974	89 6	79 0	10.6	75 0	.63	86.6	85.1	SW	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ⌢ cumulo-strati; and ≀≀ nimbi.	
2	B	≀ scattered about hor., moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°3 and 85°3.
2	C	" "	
2	C	" "	
2	C	" "	
3	C	" "	
4	R	≀ scattered about, moving E.	
5	R	≀ scattered about, moving NE.	
5	R	≀ scattered about, moving ENE.	
4	R	≀ scattered about, moving NNE.	
4	B	≀ scattered about, moving E.	
3	B	≀ scattered about hor., moving NE.	
1	B	≀ scattered around hor.	
0	B	A few pieces of clouds in E and W hor.	
0	C	A few pieces of clouds in hor.	
0	C	" "	
0	C	Masses of ≀ along E hor.	
0	C	Masses of ≀ around hor.	
0	R	A few masses of ≀ in E hor.	
2	R	≀ scattered around hor., moving NE.	
2	R	" "	
0	R	A few masses of ≀ around hor.	
2	B	≀ scattered about hor.	
3	B	≀ scattered about hor, moving ESE.	
3	B	" "	
1	B	≀ scattered around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 85°3 and 85°3.
2	C	≀ scattered about, moving SE.	
1	C	≀ scattered around hor.; dew falling.	
1	C	" "	
1	C	" "	
4	R	≀ scattered about, moving E; dew falling.	
4	R	≀ scattered about, moving ESE	
4	R	≀ scattered about, moving E.	
4	R	≀ and ≀ scattered about, the former moving ENE.	
4	B	Fleecy clouds scattered about, moving ENE.	
3	B	" " "	
3	B	" " "	
3	B	" " "	
2	C	≀ scattered about hor.	
2	C	" "	
5	C	≀ scattered about, moving ESE.	
6	C	≀ scattered about, moving E.	
5	R	" "	
4	R	≀ scattered about, moving ENE.	
5	R	" "	
3	R	≀ scattered about hor., moving ENE.	
1	B	≀ scattered around hor.	
2	B	≀ scattered about hor., moving ENE.	
2	B	" "	
2	B	≀ scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 85°4 and 85°3.
2	C	≀ scattered about hor., moving NE.	
2	C	Clouded as before; dew falling.	
3	C	≀ scattered about, moving NE; slight drops of rain fell at 3h. 3m.	
2	C	≀ scattered about hor., moving NE.	
4	R	≀ scattered about, moving E.	
4	R	" "	
3	R	" "	
3	R	" "	
2	B	≀ scattered about hor.	
1	B	" "	
1	B	" "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straw of Volta 1.	Electrical Instruments. Readings of Straw of Volta 2.	Electrical Instruments. Interval of Time in seconds after the flame or other tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 10th-Noon	29.817	28.936	91°0	80°0	11°0	76°0	0.63	87°3	85°2	SW	0.1					
1 p. m.	.776	.946	91.7	79.0	12.7	74.1	.58	88.4	85.4	WSW	0.3					
2 „	.751	.920	91.6	79.0	12.6	74.1	.58	88.5	85.5	W	0.3					
3 „	.736	.853	90.8	80.0	10.8	76.0	.63	88.5	85.5	„	0.4					
4 „	.729	.861	88.6	79.1	9.5	75.5	.67	87.5	85.5	W b N	0.3					
5 „	.757	.892	86.7	78.5	8.2	75.4	.70	86.0	85.5	„	0.2	None.	None.	None.	None.	None.
6 „	.763	.897	84.6	78.0	6.6	75.4	.75	85.0	85.5	W	0.5					
7 „	.776	.896	83.4	78.0	5.4	75.9	.79	84.0	85.4	W b N	0.6					
8 „	.784	.900	83.0	78.0	5.0	76.1	.80	83.5	85.4	WNW	0.8					
9 „	.801	.912	82.6	78.0	4.6	76.3	.82	83.2	85.4	„	0.7					
10 „	.809	.917	82.4	78.0	4.4	76.4	.83	83.0	85.4	„	0.6					
11 „	.801	.918	82.0	77.7	4.3	76.0	.83	82.7	85.3	W b N	0.4					
May 11th-Midnight	.792	.937	82.0	77.0	5.0	75.0	.80	82.5	85.2	WNW	0.3					
1 a. m.	.788	.961	81.7	76.2	5.5	74.0	.78	82.0	85.2	„	0.6					
2 „	.785	.972	81.5	75.5	6.0	73.5	.77	81.8	85.1	„	0.3					
3 „	.780	.953	81.0	76.0	5.0	74.0	.80	81.4	85.0	„	0.4					
4 „	.778	.977	80.8	75.3	5.5	73.0	.78	81.2	85.0	„	0.2					
5 „	.782	.934	80.9	76.5	4.4	74.8	.82	81.4	85.0	„	0.1					
6 „	.805	.969	81.2	76.3	4.9	74.3	.80	81.7	85.0	„	0.1					
7 „	.832	29.012	83.0	76.4	6.6	73.7	.75	82.7	85.0	„	0.0					
8 „	.857	.038	85.3	77.0	8.3	73.7	.69	84.8	85.0	NW	0.1					
9 „	.870	.061	89.2	77.0	9.2	73.3	.66	85.3	85.1	NW b W	0.1					
10 „	.859	.089	87.6	76.4	11.2	71.8	.61	85 8	85.1	WNW	0.1					
11 „	.855	.050	89.4	77.8	11.6	73.2	.60	86.7	85.1	W	0.1	None.	None.	None.	None.	None.
Noon.	.838	.031	90.0	78.0	12.0	73.2	.59	87.0	85.2	„	0.4					
1 p. m.	.809	28.966	89.8	78.8	11.0	74.6	.62	87.8	85.4	„	0.3					
2 „	.785	.889	88.4	79.7	8.7	76.5	.69	87.7	85.4	„	0.4					
3 „	.779	.923	89.4	79.0	10.4	75.1	.64	88.8	85.4	„	0.4					
4 „	.757	.914	88.2	78.4	9.8	74.6	.65	87.0	85.5	WNW	0.3					
5 „	.769	.889	86.4	78.8	7.6	75.9	.72	86.0	85.5	„	0.2					
6 „	.774	.930	84.6	77.5	7.1	74.6	.73	85.0	85.5	„	0.1					
7 „	.787	.917	82.8	77.6	5.2	75.6	.80	83.4	85.5	„	0.3					
8 „	.807	.949	82.5	77.2	5.3	75.1	.79	83.1	85.4	„	0.2					
9 „	.821	.962	82.4	77.2	5.2	75.2	.80	83.0	85.3	„	0.3					
10 „	.820	.965	82.0	77.0	5.0	75.0	.80	82.3	85.2	„	0.4					
11 „	.818	.963	82.0	77.0	5.0	75.0	.80	82.3	85.2	„	0.4					
May 13th-Midnight	.792	.929	81.3	77.0	4.3	75.3	.83	81.6	84.9	NW	0.6					
1 a. m.	.760	.894	81.0	77.0	4.0	75.4	.84	81.4	85.0	„	0.3					
2 „	.756	.916	80.8	76.3	4.5	74.5	.82	81.2	84.9	„	0.2					
3 „	.753	.919	80.4	76.0	4.4	74.3	.82	81.0	84.8	„	0.2					
4 „	.769	.933	80.2	76.0	4.2	74.3	.83	80.9	84.8	„	0.1					
5 „	.773	.974	80.0	75.0	5.0	73.0	.80	80.4	84.6	„	0.1					
6 „	.794	.997	80.2	75.0	5.2	72.9	.79	80.4	84.5	„	0.1					
7 „	.812	.970	83.2	77.0	6.2	74.6	.76	82.5	84.5	„	0.1					
8 „	.818	29.020	83.6	76.0	7.6	72.9	.71	82.5	84.5	„	0.2		+	1		Above 10m.
9 „	.844	.025	86.0	77.2	8.8	73.7	.68	83.9	84.5	„	0.3					
10 „	.831	.031	87.0	77.0	10.0	73.0	.64	84.5	84.6	NW b W	0.1					
11 „	.818	.033	88.4	77.0	11.4	72.4	.60	85.5	84.6	W	0.1					
Noon.	.803	28.971	89.7	78.5	11.2	74.2	.61	86.8	84.8	W b N	0.4	None.			None.	
1 p. m.	.765	.916	90.0	79.0	11.0	74.8	.62	86.9	84.8	W	0.3					
2 „	.753	.927	89.8	78.4	11.4	74.0	.61	87.0	84.9	„	0.4					
3 „	.740	.911	89.5	78.4	11.1	74.1	.62	86.9	85.0	„	0.3					
4 „	.732	.926	88.6	77.6	11.0	73.2	.62	86.5	85.0	„	0.4					
5 „	.747	.934	86.6	77.2	9.4	73.5	.66	85.3	85.2	„	0.3					
6 „	.755	.959	84.6	76.2	8.4	72.8	.68	84.4	85.1	W b S	0.2					
7 „	.771	.979	82.8	75.6	7.2	72.7	.73	83.2	85.0	W	0.3					
8 „	.795	29.010	82.3	75.3	7.0	72.4	.73	82.6	84.9	„	0.5					
9 „	.779	28.976	81.8	75.6	6.2	73.1	.76	82.1	84.9	„	0.1					
10 „	.779	.998	81.6	75.0	6.6	72.2	.74	82.0	84.8	„	0.0					
11 „	.769	.970	81.4	75.4	6.0	73.0	.76	81.7	84.8	„	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ≀ cirri ; ≀≀ cirro-cumuli ; ∩ cumuli ; ≀ cirro-strati ; ∩ cumulo-strati ; and ≀≀ nimbi.	
1	B	Pieces of ≀≀ scattered along E hor.	
1	C	" "	
1	C	" "	
1	C	∩ along E hor. ; ≀≀ scattered here and there, moving E.	
1	C	≀≀ scattered about hor.	
1	B	" "	
2	B	Light ≀≀ scattered about hor., moving E.	
5	B	≀≀ scattered about, moving E.	
3	B	" "	
4	C	≀≀ scattered about hor., moving ENE.	
3	C	" "	
3	C	" "	
4	C	≀≀ scattered about, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°1 and 85°0.
2	B	≀≀ scattered about hor., moving ENE.	
2	B	≀≀ scattered about hor., moving ESE.	
2	B	" "	
1	B	≀≀ scattered around hor.	
4	N	≀≀ scattered about, moving SE.	
3	N	" "	
3	N	" "	
2	N	" "	
2	C	≀≀ scattered around hor.	
2	C	" "	
0	C	A few pieces of ≀≀, scattered around hor.	
0	C	" "	
0	N	" "	
0	N	" "	
1	N	≀≀ scattered around hor., moving E.	
1	N	" "	
0	B	A few pieces of ≀≀ scattered around hor.	
1	B	≀≀ scattered around hor.	
3	B	≀≀ scattered about, moving SE.	
3	B	" "	
3	B	" "	
3	B	" "	
2	B	" "	
3	B	Masses of ≀≀ scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°1 and 85°0.
3	C	" " "	
2	C	Masses of ≀≀ scattered about hor.	
4	C	≀≀ scattered about, moving ESE.	
4	C	" "	
5	R	" "	
3	R	" "	
4	R	" "	
4	R	" "	
3	B	≀≀ scattered about hor., moving SE.	
2	B	≀≀ scattered from N to SE hor.	
0	B	A few ≀≀ in ENE hor.	
0	B	A few pieces of ≀≀ in hor.	
0	C	A few masses of ≀≀ above W hor.	
1	C	≀≀ scattered about hor., moving E.	
4	C	≀≀ scattered about, moving E.	
4	C	" "	
3	B	" "	
5	B	" "	
6	B	" "	
3	B	" "	
2	C	≀≀ scattered about hor., moving E.	
2	C	" "	
2	C	" "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 feet in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 14th-Midnight	29.758	28.973	81°3	75°0	6°3	72°4	0.75	81.7	84°8	W	0.2					
1 a. m.	.754	.981	81.0	74.6	6.4	71.9	.75	81°2	84.6	„	0.2					
2 „	.735	.962	81.0	74·6	6.4	71.9	.75	81.2	84.6	„	0.2					
3 „	.729	.936	80.5	75.0	5.5	72.7	.78	81.0	84.6	„	0.2					
4 „	·730	.955	80.5	74.5	6.0	72.0	.76	80.8	84.5	W	0.3					
5 „	.728	.954	80.2	74.4	5.8	71.9	.77	80.6	84.5	WNW	0.2					
6 „	.763	.981	80.5	74.7	5.8	72.2	.77	80.7	84.5	WNW	0.1					
7 „	.780	.980	83.8	76.1	7.7	73.0	.71	82.5	84.5	NW b W	0.1					
8 „	.785	29.009	85.6	76.0	9.6	72.0	.65	83.8	84.4	NW	0.0					
9 „	.795	.030	87.4	76.2	11.2	71.6	.60	85.0	84.5	NNW	0.0					
10 „	.786	28.977	87.7	77.4	10.3	73.3	.64	85.2	84.6	WNW	0.2					
11 „	.778	.991	88.2	77.0	11.2	72.5	.61	85.9	84.6	W	0.1	None.	None.	None.	None.	None.
Noon.	.773	.986	90.0	77.5	12.5	72.5	.58	86.8	84.7	W b S	0.3					
1 p. m.	.770	.959	89.6	78.0	11.6	73.4	.63	86.5	84.8	WNW	0.4					
2 „	.755	.948	90.0	78·0	12.0	73.2	.59	86.8	84.8	„	0.3					
3 „	.738	.962	89.3	76.8	12.5	72.0	.57	86·4	85.0	„	0.5					
4 „	.726	.950	89.2	77·0	12.2	72.0	.58	86.4	85.1	W b S	0.3					
5 „	.717	.927	87.5	76.9	10.6	72.6	.63	85.1	85.2	W	0.1					
6 „	.726	.924	85.0	76.5	8·5	73.0	.68	84.5	85.2	„	0.1					
7 „	.744	.927	83.7	76.5	7.2	73.6	.73	83.7	85.1	W	0.1					
8 „	.756	.943	83.0	76.2	6.8	73.5	.74	83.0	85.0	WNW	0.2					
9 „	.775	29.005	82.6	75.0	7.6	71·8	.71	82.6	85.0	„	0.7					
10 „	.793	.010	82.2	75.2	7.0	72.3	.73	82.2	84.9	„	0.5					
11 „	.788	28.992	82.0	75.5	6.5	72.8	.75	82.2	84·8	„	0.3					
May 15th-Midnight	.777	.996	81.6	75.0	6.6	72.2	.74	82.0	84.7	WNW	0.3					
1 a. m.	.738	.920	81.8	76.0	5.8	73.6	.77	82.0	84.7	„	0.3					
2 „	.730	.944	81.2	75.0	6.2	72.4	.76	81.5	84·6	„	0.1					
3 „	.720	.924	81.3	75.3	6.0	72.8	.76	81.5	84.6	„	0.2		+	1		
4 „	.726	.901	81.2	76.0	5·2	73.9	.79	81.4	84.6	„	0·1		+	1		Above 10m.
5 „	.730	.906	80.9	75.9	5.0	73.9	.80	81.2	84.6	„	0.0		+	1		Above 10m.
6 „	.754	.929	81.2	76.0	5.2	74.0	.79	81.4	84.5	„	0.1		+	2		Above 10m.
7 „	.770	.939	83.4	76.8	6.6	74.1	.75	82.8	84.5	„	0.0		+	18	18	1.10
8 „	.783	.934	84·0	77.4	6·6	74.8	.75	83.4	84.5	„	0.0		+	2		0.12
9 „	.800	.970	85.0	77.2	7.8	74.1	.71	84.0	84.6	W	0.1		+	6	4	1.25
10 „	.797	.948	86.2	78.0	8.2	74.8	.70	84.8	84.6	S	0.1					1.05
11 „	.787	.948	89.0	78.5	10.5	74.4	.63	86.0	84.7	W	0·3	None.				
Noon.	.776	.971	90.2	78.2	12.2	73.2	.58	86·9	84.8	W b N	0.3					
1 p. m.	.747	.930	90.6	78.4	12.2	73.6	.58	87.1	84.9	WNW	0·2		+	1		Above 10m.
2 „	.732	.912	90.8	78.5	12.3	73.7	.59	87.5	85.0	W b N	0·1		+	1		Above 10m.
3 „	.713	.869	91.2	79.2	12.0	74.6	.59	87.6	85.1	„	0.2		+	1		3.35
4 „	.709	.892	90.6	78·4	12.2	73.6	.58	87.5	85.2	„	0.2		+	1		Above 10m.
5 „	.721	.890	88·6	78.2	10.4	74.1	.64	86.5	85.3	„	0.3		+	1		Above 10m.
6 „	.729	.914	86.4	77.2	9·2	73.5	.67	85.5	85.3	W	0.2		+	1		Above 10m.
7 „	.736	.910	84.6	77.0	7.6	74.0	.72	84.3	85.2	„	0.2					
8 „	.752	.915	83.6	77.0	6.6	74.4	.76	83.9	85.2	„	0·1					
9 „	.759	.909	83.2	77.2	6.0	74.8	·77	83.3	85.2	„	0.1					
10 „	.764	.918	82.8	77.0	5.8	74.7	.77	83.0	85.1	„	0.0					
11 „	.761	.889	82.6	77.6	5.0	75.6	.80	82.8	85.0	„	0.0					
May 16th-Midnight	.749	.894	82.0	77.0	5.0	75.0	.80	82.4	85.0	W	0.0					
1 a. m.	.744	.885	81.6	77.0	4.6	75.2	.82	82·2	84.9	„	0·1					
2 „	.735	.870	81.8	77.2	4.6	75.4	·82	82.2	84.9	„	0.2					
3 „	.721	.856	81.8	77.2	4.6	75·4	.82	82.2	84.9	„	0.3					
4 „	.727	.849	81.4	77.4	4.0	75·9	.84	81.7	84.8	W b N	0.4					
5 „	.740	.878	81.4	77.0	4.4	75.3	.82	81.7	84.7	„	0.2					
6 „	.767	.916	81.6	76.8	4.8	74.9	.81	82.0	84.7	NW b W	0.2	None.	None.	None.	None.	None.
7 „	.786	.921	84.0	77.8	6·2	75.4	.76	83.2	84.8	„	0.2					
8 „	.801	.962	85.2	77.5	6.2	74.4	.71	84.0	84.8	NW	0.2					
9 „	.812	.972	87.0	78·0	7·7	74.5	.67	85.0	84.9	„	0·3					
10 „	.794	.969	88.4	78.0	9·0	73.9	·63	86.0	85.0	„	0.2					
11 „	.783	.951	89.2	78.4	10.4	74.2	.62	86.5	85.0	NW b W	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌒ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	
2	C	≀≀ scattered about hor., moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°0 and 85°0.
2	B	" "	
1	B	≀≀ scattered about hor., moving E.	
3	B	≀≀ scattered about, moving E.	
3	B	≀≀ scattered about, moving SE.	
3	N	" "	
5	N	" "	
2	N	" "	
7	N	Densely clouded with ≀≀ and ≀≀, both moving SE.	
7	C	≀≀ and ≀≀ scattered throughout, both moving ESE.	
3	C	≀≀ scattered about hor., moving E.	
1	C	≀≀ scattered along E hor.	
1	C	" "	
1	B	≀≀ scattered about hor., moving E.	
2	B	≀≀ scattered about hor., moving SE.	
2	B	" "	
2	B	" "	
4	C	" "	
4	C	" "	
7	C	≀≀ scattered throughout, moving E.	
6	C	≀≀ and ≀≀ scattered about, both moving E.	
5	B	" " "	
4	B	≀≀ and ≀≀ scattered about, the former moving SE.	
3	B	≀≀ scattered around hor.	
2	B	≀≀ scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 85°0 and 85°0.
3	C	≀≀ scattered about, moving ESE.	
2	C	≀≀ scattered about hor.	
5	C	≀≀ scattered about, moving ESE.	
4	C	≀≀ scattered about, moving E.	
4	N	≀≀ scattered about, moving SE.	
3	N	" "	
4	N	" "	
8	N	" "	
6	B	≀≀ scattered about, moving NE.	
5	B	≀≀ scattered about, moving E.	
2	B	≀≀ scattered about hor.	
2	B	" "	
1	C	" "	
1	C	≀≀ scattered along E hor.	
2	C	Masses of ≀≀ scattered about, moving E.	
4	C	≀≀ scattered about, moving ESE.	
4	B	≀≀ scattered about, moving E.	
2	B	" "	
2	B	" "	
1	B	≀≀ scattered around hor.	
4	C	≀≀ scattered about, moving E.	
1	C	≀≀ scattered around hor.	
2	C	Masses ≀≀ scattered about, moving E.	
2	C	≀≀ scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 85°1 and 85°0.
2	B	" "	
1	B	" "	
1	B	" "	
2	B	≀≀ scattered about hor., moving ESE.	
3	N	≀ above E and NE hor.; ≀≀ scattered about, moving SE.	
5	N	≀ along E hor.; ≀≀ scattered about, moving SE.	
3	N	≀≀ scattered about, moving SE.	
3	N	≀ from SE to W hor.; ≀≀ from NNW to SE hor.	
3	C	≀≀ from NNE to SE; ≀ scattered around hor.	
2	C	" " "	
2	C	" " "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds between the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 16th-Noon.	29.767	28.894	89°4	79°4	10°0	75°7	0.65	86°9	85°1	WNW	0.5					
1 p. m.	.766	.936	89.9	78.5	11.4	74.1	.61	87.2	85.2	„	1.0					
2 „	.755	.903	89.7	79.0	10.7	74.9	.63	87.2	85.2	„	0.8					
3 „	.733	.881	89.7	79.0	10.7	74.9	.63	87.2	85.3	„	0.8					
4 „	.727	.901	89.0	78.2	10.8	74.0	.63	86.9	85.5	„	0.7					
5 „	.727	.889	87.2	78.0	9.2	74.4	.67	86.0	85.5	„	0.4	None.	None.	None.	None.	None.
6 „	.737	.915	85.0	77.0	8.0	73.8	.74	85.0	85.5	„	0.6					
7 „	.756	.914	83.2	77.0	6.2	74.6	.76	83.5	85.4	„	0.6					
8 „	.772	.926	82.8	77.0	5.8	74.7	.77	83.0	85.4	„	0.7					
9 „	.805	.948	82.6	77.2	5.4	75.1	.79	82.8	85.3	„	0.5					
10 „	.803	.954	82.5	77.0	5.5	74.8	.79	82.5	85.2	NW	0.5					
11 „	.793	.938	82.0	77.0	5.0	75.0	.80	82.2	85.1	„	0.3					
May 17th-Midnight	.778	.949	81.6	76.2	5.4	74.1	.79	82.0	85.1	NW b W	0.2					
1 a. m.	.753	.891	81.4	77.0	4.4	75.3	.82	81.9	85.1	NW	0.4					
2 „	.749	.906	81.3	76.5	4.8	74.6	.81	81.8	85.0	„	0.3					
3 „	.746	.921	81.2	76.0	5.2	73.9	.79	81.7	84.9	„	0.4					
4 „	.750	.923	81.0	76.0	5.0	74.0	.80	81.4	84.9	NW b N	0.1					
5 „	.748	.919	80.8	76.0	4.8	74.1	.81	81.0	84.9	NW	0.1					
6 „	.770	.926	81.2	76.5	4.7	74.6	.81	81.3	84.7	NW b N	0.3					
7 „	.791	.933	83.9	77.6	6.3	75.1	.76	83.0	84.7	NNW	0.2					
8 „	.799	.939	85 2	78.0	7.2	75.2	.73	84.0	84.9	N	0.1					
9 „	.810	.952	85.4	78.0	7.4	75.1	.72	84.2	84.9	NW b N	0.3					
10 „	.797	.951	87.2	78.2	9.0	74.7	.67	85.5	84.9	WNW	0.5					
11 „	.787	.949	88.3	78.8	10.0	74.4	.65	86.1	85.0	„	0.7					
Noon.	.777	.955	88.6	78.0	10.6	73.8	.63	86.3	85·1	NW	0.7	None.			None.	
1 p. m.	.747	.881	90.9	79.4	10.6	75.4	.63	87.2	85.1	W b N	0.6					
2 „	.735	.886	90.0	79.0	11.0	74.8	.62	87·4	85.2	„	0.7					
3 „	.727	.871	89.4	79.0	10.4	75.1	.64	87.3	85.3	W	0.6					
4 „	.724	.887	88.8	78.4	10.4	74.4	.64	86.9	85·4	W b N	0.6					
5 „	.726	.865	87.0	78.5	8.5	75.2	.69	86.1	85.5	„	0.4					
6 „	.747	.885	85.0	78.0	7.0	75.3	.74	85.0	85.5	W	0.1		+	1		Above 10m.
7 „	.762	.886	83·7	78.0	5.7	75.8	.78	84.0	85.4	W b N	0.3					
8 „	.772	.872	83.5	78.5	5.0	76.6	.81	83.5	85.4	W b S	0.2					
9 „	.787	.901	82.8	78.0	4.8	76.1	.81	83.2	85.3	W b N	0.2					
10 „	.791	.928	82.8	77.4	5.4	75.3	.79	83.2	85.2	„	0.3					
11 „	.777	.938	82.4	76.6	5.8	74.4	.77	83.0	85.1	„	0.2					
May 18th-Midnight	.764	.909	82.0	77.0	5.0	75.0	.80	82.2	85.1	W b N	0.2					
1 a. m.	.736	.877	81.6	77.0	4.6	75.2	.82	82.0	85.1	„	0.1					
2 „	.718	.855	81.3	77.0	4.3	75.3	.83	81.9	85.0	„	0.1					
3 „	.714	.851	81.3	77.0	4·3	75.3	.83	81.9	85.0	„	0.3		+	1		Above 10m.
4 „	.718	.872	81.0	76.5	4.5	74.7	.82	81.7	85.0	„	0.1					
5 „	.720	.854	81.0	77.0	4.0	75.4	.84	81.5	85.0	„	0.1					
6 „	.744	.881	81.3	77.0	4.3	75.3	.83	81.5	85.0	„	0·1					
7 „	.761	.900	83.3	77.5	5.8	75·2	.77	83.0	84.9	WNW	0.1					
8 „	.775	.920	85.6	78·0	7.6	75.0	.72	84.1	85.0	„	0.2					
9 „	.795	.913	87.0	79.0	8.0	76.0	.71	85.0	85.0	„	0.1					
10 „	.787	.928	87.6	78.6	9.0	75.2	.68	85.3	85.1	„	0.2					
11 „	.779	.916	88.7	79.0	9.7	75.3	.66	86.1	85.1	„	0.2					
Noon.	.765	.903	89.6	79.2	10.4	75.3	.64	86.5	85.2	W b S	0.2	None.			None.	
1 p. m.	.727	.796	91.2	81.2	10.0	77.7	·66	88.0	85.4	„	0.3					
2 „	.706	.828	91.3	80.0	11.3	75·9	.62	88.3	85.4	WSW	0.2		+	1		Above 10m.
3 „	.693	.780	92.0	81.0	11.0	77.1	.63	88.7	85.5	SW	0.3		+	1		Above 10m.
4 „	.691	.784	91.0	80.6	10.4	76.9	.64	88.5	85.6	„	0.3		+	1		Above 10m.
5 „	.689	.744	89.0	81.0	8.0	78.2	.71	87.5	85.6	„	0.3					
6 „	.697	.811	86.6	79.0	7.6	76.1	.72	86.4	85.6	„	0.2					
7 „	.700	.776	85.0	79.5	5.5	77·5	.79	85.0	85.6	„	0.4					
8 „	.707	.795	84.3	79.0	5.3	77.0	.80	84.2	85.6	„	0.2					
9 „	.714	.795	83.6	79.0	4.6	77.3	.82	84.0	85.5	„	0.1					
10 „	.714	.750	83.4	80.0	3.4	78.8	.86	83.8	85.5	„	0.1					
11 „	.713	.787	83.0	79.0	4.0	77.5	.84	83.5	85.5	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩∩ cumulo-strati; and ≀≀ nimbi.	
3	C	≀≀ in NE hor.; ≀ scattered here and there.	
4	B	≀ scattered about.	
3	B	" "	
1	B	≀ scattered here and there.	
1	B	≀ scattered along E hor.	
1	C	" "	
1	C	≀ scattered around hor.	
0	C	A few ≀ in E hor.	
0	C	A few ≀ around hor.	
3	B	Light ≀≀ scattered about, moving SE.	
2	B	" "	
3	B	" "	
2	B	≀≀ scattered about hor., moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°1 and 85°0.
2	C	" " "	
1	C	≀≀ scattered in E hem., moving SE.	
3	C	≀≀ scattered about, moving SE.	
3	C	" "	
3	R	" "	
6	R	≀≀ scattered about, moving SSE.	
6	R	" "	
8	R	≀≀ scattered throughout, moving SE.	
5	B	≀≀ scattered about, moving SSE.	
3	B	" "	
1	B	≀≀ scattered around hor.	
0	B	A few pieces of clouds along E hor.	
0	C	" "	
0	C	A few pieces of clouds in E hor.; ≀ above N hor.	
1	C	Fleecy clouds scattered along E hor.	
1	C	" "	
2	R	Dense fleecy clouds scattered around hor.	
4	R	≀≀ and ≀ scattered about hor., the former moving NE.	
4	R	≀≀ and ≀ scattered about, the former moving E.	
7	R	≀≀ scattered throughout, moving E.	
5	B	≀≀ and ≀≀ scattered about, the former moving E.	
4	B	≀≀ around hor.; ≀≀ scattered about, moving N.	
5	B	" " "	
3	B	≀≀ scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 85°1 and 85°0.
2	C	" "	
2	C	" "	
4	C	≀≀ scattered in E hem.	
3	C	≀≀ scattered about hor.	
8	R	Overcast with ≀≀, moving E.	
7	R	≀≀ scattered throughout, moving E.	
6	R	A few ≀ in E hor.; ≀≀ scattered about, moving ENE.	
5	R	≀≀ scattered about, moving ENE.	
4	B	≀≀ and light ≀≀ scattered about, the former moving NNE, and the latter SE.	
3	B	≀≀ in hor.; ≀ scattered about.	
3	B	≀≀ and ≀≀ scattered about, the former moving ESE.	
6	B	≀≀ scattered throughout, moving N.	
6	C	≀≀ and ≀≀ scattered about, the former moving E.	
4	C	" " "	
4	C	≀≀ scattered about, moving E.	
4	C	" "	
4	R	" "	
4	R	" "	
4	R	" "	
3	R	" "	
4	R	" "	
2	R	≀≀ scattered about hor., moving E.	
3	R	" "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 20th-Midnight	29.639	28.689	82°8	79°5	3°3	78°3	0.87	83°2	85.6	S	1.0					
1 a. m.	.624	.691	82.4	79.0	3.4	77.8	.86	83.0	85.5	,,	0.7					
2 ,,	.616	.679	82.0	79.0	3.0	77.9	.88	82.8	85.5	,,	1.0					
3 ,,	.612	.675	82.0	79.0	3.0	77.9	.88	82.7	85.5	,,	1.2					
4 ,,	.620	.645	82.4	80.0	2.4	79.2	.90	82.9	85.5	,,	1.5					
5 ,,	.616	.641	82.4	80.0	2.4	79.2	.90	82.9	85.5	S b W	0.7					
6 ,,	.638	.644	82.6	80.5	2.1	79.8	.91	83.0	85.5	,,	0.6					
7 ,,	.654	.654	84.0	81.0	3.0	80.0	.88	84.0	85.5	,,	0.7					
8 ,,	.666	.661	85.6	81.5	4.1	80.1	.84	85.0	85.5	,,	0.7					
9 ,,	.675	.693	86.5	81.2	5.3	79.4	.80	85.3	85.6	SW b S	0.6	Drops of rain.			None.	
10 ,,	.667	.664	89.4	82.4	7.0	80.1	.75	87.0	85.6	SW	0.8					
11 ,,	.659	.660	90.1	82.5	7.6	79.9	.73	87.9	85.8	,,	0.8					
Noon.	.653	.623	92.0	83.6	8.4	80.9	.71	89.0	85.9	,,	0.6					
1 p. m.	.625	.591	91.6	83.6	8.0	81.0	.72	89.2	86.0	SSW	0.7					
2 ,,	.612	.655	92.0	82.0	10.0	78.6	.66	89.5	86.1	,,	0.7					
3 ,,	.606	.657	90.6	81.5	9.1	78.3	.68	88.9	86.2	,,	0.6					
4 ,,	.592	.610	88.8	81.8	7.0	79.4	.75	87.9	86.3	,,	0.5					
5 ,,	.590	.599	86.9	81.5	5.4	79.7	.80	86.6	86.2	,,	0·4					
6 ,,	.592	.581	85.4	81.6	3.8	80.3	.85	85.9	86.2	S b W	0.6					
7 ,,	.599	.605	84.5	81.0	3.5	79.8	.86	85.0	86.2	,,	0.7		+	1		Above 10m.
8 ,,	.613	.613	84.0	81.0	3.0	80.0	.88	84.5	86.1	,,	0.6					
9 ,,	.629	.628	83.9	81.0	2.9	80·0	.88	84.2	86.1	SSW	0.7					
10 ,,	.636	.637	83.6	80.4	3.2	79.3	.87	83.9	86.1	,,	0.5					
11 ,,	.628	.647	83.4	80.4	3.0	79.4	.88	83.9	86.0	,,	0.4					
May 21st-Midnight	.625	.657	83.0	80.0	3.0	78.9	.88	83.6	86.0	SSW	0.5		+	1		Above 10m.
1 a. m.	.609	.641	83.0	80.0	3.0	78.9	.88	83.5	86.0	,,	0.3		+	1		Above 10m.
2 ,,	.588	.616	82.6	80.0	2.6	79·1	.90	83.1	85.9	,,	0.2		+	2		Above 10m.
3 ,,	.598	.665	82.4	79.0	3.4	77.8	.86	83.0	85.8	,,	0.2		+	1		Above 10m.
4 ,,	.602	.667	82.2	79.0	3.2	77.8	.87	82.9	85.8	,,	0.2					
5 ,,	.614	.639	82.4	80.0	2.4	79.2	.90	82.7	85.7	,,	0.2					
6 ,,	.620	.650	82.8	80.0	2.8	79.0	.89	83.0	85.7	S	0.5					
7 ,,	.644	.650	84.5	81.0	3.5	79.8	.86	84.0	85.6	S b W	0.8					
8 ,,	.658	.640	86.4	82.0	4.4	80.5	.83	85.4	85.7	,,	0.7					
9 ,,	.666	.619	87.8	83.0	4.8	81.4	.82	86.2	85.7	,,	0.5					
10 ,,	.673	.660	89.2	82.6	6.6	80.4	.76	87.2	85.9	,,	0.6	Drops of rain.			None.	
11 ,,	.668	.602	90.4	84.0	6.4	82.0	.77	88.0	86.0	,,	0.7					
Noon.	.655	.621	91.6	83.6	8.0	81.0	.72	88.9	86.1	SSW	0.8					
1 p. m.	.625	.620	91.6	83.0	8.6	80.1	.70	89.2	86.3	,,	0.6					
2 ,,	.610	.672	91.2	81.4	9.8	77.9	.66	89.4	86.3	,,	0.6					
3 ,,	.589	.661	90.5	81.0	9.5	77.6	.67	88.9	86.4	,,	0.6		+	1		Above 10m.
4 ,,	.588	.647	89.4	81.0	8.4	78.0	.70	88.6	86.5	,,	0.6		+	1		Above 10m.
5 ,,	.591	.654	87.8	80.5	7.3	77.9	.73	87.2	86.5	,,	0.6		+	1		Above 10m
6 ,,	.600	.665	86.0	80.0	6.0	77.8	.77	86.0	86.5	,,	0.4					
7 ,,	.610	.643	85.0	80.5	4.5	78.9	.83	85.0	86.3	S b W	0.7					
8 ,,	.629	.633	84.4	81.0	3.4	79.8	.87	84.9	86.3	,,	0.6					
9 ,,	.644	.689	84.2	80.0	4.2	78.5	.84	84.5	86.3	,,	0.7					
10 ,,	.654	.712	84.0	79.5	4.5	78.1	.82	84.3	86.2	SSW	0.7					
11 ,,	.645	.700	83.6	79.6	4.0	78.2	.84	84.2	86.2	,,	0.8					
May 22nd-Midnight	.633	.691	83.5	79.5	4.0	78.1	.84	84.0	86.1	S b W	0.8					
1 a. m.	.622	.692	82.6	79.0	3.6	77.7	.86	83.4	86.1	,,	0.7		+	1		Above 10m.
2 ,,	.608	.677	82.5	79.0	3.5	77.7	.86	83.0	86.0	SSW	0.5		+	1		Above 10m.
3 ,,	.606	.725	82.4	78.0	4.4	76.3	.83	83.0	86.0	,,	0.6		+	1		Above 10m.
4 ,,	.607	.690	82.2	78.5	3.7	77.2	.85	82.5	85.9	SW b S	0.6		+	1		Above 10m.
5 ,,	.609	.674	82.2	79.0	3.2	77.8	.87	82.5	85.9	SSW	0.4					
6 ,,	.632	.701	82.5	79.0	3.5	77.7	.86	83.0	85.8	SSW	0.6				None.	
7 ,,	.661	.749	84.3	79.0	5.3	77·0	.80	84.0	85.8	SSW	0.6					
8 ,,	.667	.745	85.7	79.6	6.1	77.4	.77	85.0	85.9	,,	0.5	Less than one cent.				
9 ,,	.679	.782	88.0	79·6	8.4	76.5	.70	86.0	86.0	,,	0.6					
10 ,,	.687	.787	89.2	80.0	9.2	76.6	.67	87.2	86.0	,,	0.6					
11 ,,	.675	.744	90.3	81.0	9.3	77.7	.67	88.0	86.1	,,	0.7					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ *cirri*; ≀≀ cirro-cumuli; ∩ cumuli; ≀∩ cirro-strati; ∩∩ cumulo-strati; and ≀∩ nimbi.	
4	B	≀≀ scattered about, moving NNE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°2 and 85°0.
4	C	≀≀ around hor.; ≀ scattered throughout.	
4	C	" " "	
4	C	" " "	
7	C	≀≀ scattered throughout, moving NNW.	
8	R	≀≀ scattered throughout, moving N; slight drops of rain at 5h. 4m.	
7	R	Overcast with ≀≀, moving NNE.	
7	R	≀≀ and ≀ scattered throughout, the former moving NNE.	
6	R	≀≀ and ≀ scattered throughout, the former moving NNE; slight drops of rain at 8h. 30m.	
7	B	" " " "	
7	B	≀≀ around hor., moving NE; ≀ scattered throughout.	
7	B	" " "	
7	B	≀≀ and ≀ scattered throughout, the former moving NE.	
6	C	" " "	
6	C	∩≀ along E hor; ≀≀ and ≀ scattered throughout, the former moving NE.	
6	C	" " " "	
7	C	∩≀ along E hor.; ≀≀ and ≀ scattered throughout; slight drops of rain between 4h. 15m. and 4h. 20m.	
7	R	∩≀ along E hor.; ≀≀ scattered throughout, moving E.	
7	R	∩≀ and ≀≀ around hor.; ≀ scattered throughout; a passing shower of rain at 6h. 58m. which lasted 2m.	
6	R	≀≀ scattered throughout, moving NE.	
3	R	≀≀ scattered about hor., moving NE; ∩≀ in E hor.	
3	B	≀≀ scattered about, moving NE; ∩≀ in E hor.	
1	B	≀≀ scattered around hor.	
2	B	" "	
3	B	≀≀ and ≀ scattered about, the former moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°3 and 85°1.
8	C	Overcast with ≀≀; a few stars dimly visible.	
5	C	≀≀ around hor.; ≀ scattered about.	
3	C	" "	
2	C	≀≀ scattered about hor.; slight drops of rain at 4h. 50m.	
6	R	≀≀ scattered throughout, moving NE.	
3	R	≀≀ and ≀ scattered about, both moving NNE.	
3	R	≀≀ around hor., moving NNE; ≀ scattered here and there.	
4	R	≀≀ scattered about, moving NE.	
3	B	≀≀ scattered about hor., moving NE.	
2	B	≀≀ scattered about hor.	
4	B	≀≀ scattered about, moving NE.	
4	B	Clouded as before; a few slight drops of rain at 12h. 27m.	
5	C	≀≀ scattered about, moving NE.	
6	C	≀≀ and ≀≀ scattered about, the former moving NE.	
6	C	∩≀ along E hor.	
7	C	≀≀ scattered around hor.; ≀≀ scattered throughout.	
7	R	≀≀ and ≀≀ scattered throughout, the former moving E.	
5	R	≀≀ and ≀ scattered throughout, the former moving NNE; ≀≀ scattered about zenith.	
5	R	≀≀ and ≀ scattered throughout, the former moving NNE; light drops of rain between 7h. 8m. and 7h. 8m.	
0	R	A few ≀ in N and E above hor.	
4	B	≀≀ scattered about, moving ENE.	
2	B	" "	
1	B	≀≀ scattered around hor., moving NE.	
5	B	≀≀ and ≀≀ scattered about, both moving NE; a passing shower of rain at 0h. 47m. which lasted 3m.	Mean daily temperature of ground 20 and 60 inches below its surface 85°3 and 85°1.
5	C	≀≀ and ≀≀ scattered about, both moving NE.	
5	C	≀≀ scattered about, moving NE.	
2	C	≀≀ scattered about hor.	
2	C	≀≀ scattered here and there.	
5	R	≀≀ scattered about, moving NE.	
5	R	≀≀ scattered about, moving N.	
7	R	≀≀ scattered throughout, moving NE.	
8	R	Overcast with ≀≀, moving N.	
2	B	≀≀ scattered about, moving NE.	
6	B	≀≀ scattered throughout, moving NE.	
6	B	" "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 22nd-Noon.	29·654	28·722	91°5	81°3	10°2	77·7	0·65	88°9	86°2	SW b S	0·8		+	1		Above 10m.
1 p. m.	·629	·689	91·0	81·4	9·6	78·0	·67	88·9	86·3	„	0·4		+	1		Above 10m.
2 „	·620	·649	92·8	82·5	10·3	79·0	·65	89·0	86·5	SW	0·7		+	7	6	3.24
3 „	·602	·640	90·2	81·7	8·5	78·7	·70	88·9	86·5	SW b S	0·5		+	2		Above 10m.
4 „	·589	·651	89·6	81·0	8·6	77·9	·70	88·1	86·6	SW	0·4		+	1		Above 10m.
5 „	·584	·628	88·0	81·0	7·0	78·5	·74	87·4	86·5	„	0·4		+	1		Above 10m.
6 „	·592	·659	86·2	80·0	6·2	77·8	·77	86·4	86·5	SW b W	0·5					
7 „	·600	·628	85·0	80·6	4·4	79·1	·83	85·5	86·5	„	0·5					
8 „	·618	·668	84·6	80·0	4·6	79·3	·82	85·0	86·5	„	0·2					
9 „	·640	·706	84·2	79·5	4·7	77·8	·82	84·9	86·5	„	0·3		+	5	4	Above 10m.
10 „	·640	·683	84·0	80·0	4·0	78·6	·84	84·8	86·4	„	0·5		+	6	5	Above 10m.
11 „	·641	·684	84·0	80·0	4·0	78·6	·84	84·4	86·3	„	0·4		+	5	4	Above 10m.
May 23rd-Midnight	·634	·705	83·5	79·2	4·3	77·6	·83	84·1	86·2	SW	0·3		+	2		Above 10m.
1 a. m.	·604	·676	83·2	79·1	4·1	77·6	·84	83·7	86·2	„	0·3		+	2		Above 10m.
2 „	·585	·643	83·0	79·4	3·6	78·1	·86	83·4	86·1	„	0·4		+	2		Above 10m.
3 „	·586	·672	82·6	78·6	4·0	77·1	·84	83·2	86·1	„	0·4		+	1		Above 10m.
4 „	·596	·666	82·6	79·0	3·6	77·7	·86	83·1	86·1	„	0·3		+	1		Above 10m.
5 „	·598	·645	82·5	79·5	3·0	78·4	·88	83·0	86·0	„	0·2					
6 „	·624	·683	81·6	79·0	2·6	78·0	·89	82·5	86·0	SW b S	0·2	0.01				
7 „	·640	·681	83·8	80·0	3·8	78·6	·85	84·0	86·0	SW	0·1					
8 „	·658	·682	86·2	81·0	5·2	79·2	·80	85·5	86·0	„	0·2					
9 „	·672	·709	88·2	82·2	7·0	78·8	·74	86·9	86·1	„	0·4					
10 „	·677	·734	90·0	81·2	8·8	78·1	·69	87·9	86·2	„	0·5					
11 „	·669	·716	90·3	81·5	8·8	78·4	·69	88·1	86·3	„	0·3					
Noon.	·657	·707	92·6	82·0	10·6	79·3	·64	89·2	86·4	„	0·4		+	1	None.	Above 10m.
1 p. m.	·631	·646	93°5	83·0	10·5	79·5	·65	90·0	86·6	SSW	0·2		+	1		Above 10m.
2 „	·615	·669	93·0	82·0	11·0	78·2	·63	90·0	86·6	„	0·3					
3 „	·599	·642	92·0	82·0	10·0	78·6	·66	89·7	86·7	SW b S	0·4		+	1		Above 10m.
4 „	·585	·629	90·4	81·6	8·8	78·5	·69	89·0	86·8	SW	0·3					
5 „	·575	·626	88·6	81·0	7·6	78·3	·73	88·0	86·8	„	0·2		+	1		Above 10m.
6 „	·582	·634	86·8	80·5	6·3	78·3	·77	86·8	86·8	SW b S	0·2					
7 „	·592	·640	85·2	80·2	5·0	78·4	·81	85·6	86·7	„	0·1					
8 „	·612	·664	84·8	80·0	4·8	78·3	·81	85·2	86·6	S b W	0·1					
9 „	·621	·670	84·5	80·0	4·5	78·4	·83	85·0	86·5	SSW	0·4					
10 „	·629	·674	84·2	80·0	4·2	78·5	·84	84·6	86·4	„	0·5					
11 „	·625	·665	83·7	80·0	3·7	78·7	·86	84·2	86·4	„	0·4					
May 25th-Midnight	·634	·696	83·4	79·4	4·0	77·9	·84	84·1	86·5	SSW	0·4					
1 a. m.	·609	·683	83·2	79·2	4·0	77·5	·84	83·8	86·5	SW b S	0·3					
2 „	·595	·672	83·1	79·1	4·0	77·4	·84	83·7	86·4	„	0·2					
3 „	·587	·637	82·8	79·5	3·3	78·3	·87	83·0	86·3	SW	0·2					
4 „	·596	·666	82·6	79·0	3·6	77·7	·86	83·0	86·2	„	0·3					
5 „	·614	·684	82·6	79·0	3·6	77·7	·86	83·0	86·2	„	0·2					
6 „	·641	·691	81·6	79·2	2·4	78·3	·90	82·6	86·2	SW b S	0·0	0.04				
7 „	·648	·678	84·4	80·4	4·0	79·0	·84	84·5	86·3	W	0·0					
8 „	·662	·713	84·7	80·0	4·7	78·3	·82	84·9	86·3	SW	0·1					
9 „	·670	·700	86·7	81·0	5·7	79·0	·79	86·0	86·2	„	0·1					
10 „	·669	·684	89·4	82·0	7·4	79·5	·73	87·1	86·3	„	0·4					
11 „	·663	·694	90·8	82·0	8·8	79·0	·69	88·0	86·4	S b W	0·6					
Noon.	·656	·685	91·8	82·3	9·5	79·0	·67	88·9	86·5	SSW	0·5		None.	None.	None.	None.
1 p. m.	·632	·633	92·2	83·0	9·2	79·9	·68	89·5	86·6	„	0·4					
2 „	·608	·617	93·0	83·0	10·0	79·7	·66	90·0	86·7	SW	0·5					
3 „	·594	·640	92·3	82·0	10·3	78·5	·65	89·5	86·8	„	0·6					
4 „	·580	·632	91·1	81·6	9·5	78·3	·67	89·0	86·9	„	0·3					
5 „	·591	·659	89·4	80·8	8·6	77·7	·69	88·0	86·9	SW b S	0·5					
6 „	·596	·672	87·0	80·0	7·0	77·5	·74	86·8	86·9	SW	0·2					
7 „	·604	·660	85·2	80·0	5·2	78·1	·80	85·8	86·8	SSW	0·1					
8 „	·613	·687	84·5	79·4	5·1	77·5	·80	85·1	86·8	„	0·2					
9 „	·626	·672	84·3	80·0	4·3	78·5	·83	85·0	86·6	„	0·3					
10 „	·639	·684	84·2	80·0	4·2	78·5	·84	84·5	86·6	„	0·3					
11 „	·638	·693	83·6	79·6	0·4	78·2	·84	84·2	86·5	„	0·5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∽ cirro-strati; ∩ *cumulo*-strati; and ≀∩ nimbi.	
7	B	≀∩ scattered throughout, moving ENE; a few drops of rain at 12h. 29m.	
7	C	≀∩ scattered about, moving NE.	
7	C	≀∩ scattered throughout, moving NE; a few drops of rain at 2h. 58m.	
8	C	Overcast with ≀∩, moving NE.	
6	C	≀∩ scattered throughout, moving NE.	
7	R	" "	
5	R	≀∩ and ≀ scattered about, the former moving NE.	
7	R	≀∩ scattered throughout, moving NE.	
3	R	≀∩ scattered about, moving E.	
0	B	A few pieces of ≀∩ around hor.	
2	B	≀∩ scattered about, moving NE.	
4	B	" "	
1	B	≀∩ scattered around hor., moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°4 and 85°1. Daily fall of rain by Osler's Gauge 0·01 in.
1	C	" " "	
5	C	≀∩ scattered about, moving NE.	
4	C	" "	
3	C	" "	
7	R	Densely clouded with ≀∩, whose motion was NE; light rain from 5h. 18m. to 5h. 20m., and from 5h. 23m. to 5h 30m.	
5	R	≀∩ scattered about, moving NE.	
4	R		
3	R	" "	
5	B	≀∩ scattered about, moving ENE; slight drops of rain between 9h. 15m. and 9h. 17m.	
7	B	≀∩ scattered throughout, moving ENE.	
4	B	≀∩ scattered about, moving ENE.	
2	B	" "	
2	C	≀∩ scattered about, moving NE.	
6	C	≀∩ scattered throughout, moving NE.	
6	C	≀∩ scattered throughout, moving NE.	
6	C	" "	
5	C	" "	
5	C	≀∩ scattered about, moving ENE.	
3	C	≀∩ scattered about hor., moving ENE.	
5	C	≀∩ scattered about, moving ENE.	
4	C	" "	
2	C	≀∩ scattered around hor.	
2	C	" "	
5	B	≀∩ scattered about, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°6 and 85°2. Daily fall of rain by Osler's Gauge 0·04 in.
5	C	" "	
8	C	Overcast with ≀∩, moving NE.	
4	R	≀∩ scattered about, moving E.	
6	R	" "	
6	B	≀∩ scattered about, moving ENE; light rain from 5h. 15m. to 5h. 30m.	
6	B	≀∩ and ≀∩ scattered about, the former moving ENE.	
5	C	" " "	
5	C	" " "	
4	R	≀∩ around hor., moving ENE; ≀ and ≀∩ scattered about.	
4	R	≀∩ and ≀ scattered about, the former moving ENE.	
5	B	≀∩ scattered about, moving NE.	
5	B	" "	
4	C	" "	
5	C	≀∩ scattered about, moving ENE.	
5	R	" "	
7	R	" "	
4	B	" "	
4	B	" "	
6	C	" "	
2	C	≀∩ scattered about hor., moving NE; slight drops of rain at 8h. 17m.	
5	R	≀∩ scattered about, moving ENE; slight rain from 9h. 23m. to 9h. 30m.	
8	R	Overcast with ≀∩, moving ENE.	
5	B	≀∩ and ≀∩ scattered about, the former moving NE.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 27th-Midnight	29.636	28.714	83°4	79°0	4°4	77°4	0.83	84°0	86°5	S	0.7					
1 a. m.	.622	.699	83.3	79.0	4.3	77.4	.83	83.8	86.5	„	0.5					
2 „	.612	.686	83.0	79.0	4.0	77.5	.84	83.6	86.5	„	0.5					
3 „	.604	.659	83.2	79.5	3.7	78.2	.85	83.6	86.4	„	0.8					
4 „	.612	.684	82.8	79.0	3.8	77.6	.85	83.2	86.3	„	0.5					
5 „	.618	.687	82.5	79.0	3.5	77.7	.85	83.0	86.2	S b W	0.4					
6 „	.636	.705	82.5	79.0	3.5	77.7	.85	83.0	86.2	S	0.2					
7 „	.653	.705	84.8	80.0	4.8	78.3	.81	84.5	86.2	„	0.3					
8 „	.656	.711	87.0	80.5	6.5	78.2	.76	85.7	86.2	„	0.3					
9 „	.669	.753	87.7	80.0	7.7	77.2	.72	86.2	86.3	S b W	0.5					
10 „	.668	.731	89.7	81.0	8.7	77.9	.69	87.5	86.4	„	0.6					
11 „	.662	.714	90.8	81.5	9.3	78.3	.68	88.2	86.5	S	0.6					
Noon.	.656	.727	91·4	81.2	10.2	77.6	.65	88.8	86.6	S b W	0·5	None.			None.	
1 p. m.	.633	.676	92.0	82.0	10.0	78.6	.66	89.6	86.7	SW b S	0.4		+	1		Above 10m.
2 „	.623	.675	92.8	82.0	10.8	78.3	.64	90·0	86.8	„	0.5		+	1		Above 10m.
3 „	.610	.655	92.2	82.0	10,2	78.5	.65	90.0	86.9	„	0.3		+	1		Above 10m.
4 „	.603	.654	90.7	81.5	9.2	78.3	.68	89.1	87.0	„	0.5		+	1		Above 10m.
5 „	.601	.649	89.2	81.2	8.0	78.4	.71	88.1	87.0	SW	0.2		+	1		Above 10m.
6 „	.604	.637	87.0	81.0	6.0	78.9	.78	87·0	87.0	„	0.2		+	1		Above 10m.
7 „	.618	.295	85.2	79.5	5·7	77.4	.78	85.5	87.0	„	0.2					
8 „	·630	.703	84.4	79·4	5.0	77.6	.81	85.0	86.8	„	0.4					
9 „	.654	.739	84.0	79.0	5.0	77.2	.82	84.7	86.7	„	0.3					
10 „	.663	.764	83.6	78.5	5.1	76.6	.80	84.2	86.7	SW b S	0.3					
11 „	.664	.764	83.5	78.5	5.0	76.6	.81	84.0	86.6	„	0.3					
May 28th-Midnight	.652	.759	83.3	78·3	5.0	76.4	.80	84.0	86.6	SSW	0.2					
1 a. m.	.629	.722	83·2	78.6	4.6	76.9	.82	83.8	86.5	„	0.0					
2 „	.614	.728	82.8	78.0	4.8	76·1	.81	83.5	86.5	„	0.0					
3 „	.609	.732	82·5	77.7	4.8	75.8	.81	83.0	86.4	„	0·0					
4 „	.613	.740	82.2	77.5	4.7	75.7	.81	82.9	86.4	SW b S	0.0					
5 „	.628	.733	82.0	78.0	4.0	76.5	.84	83.0	86.3	SSW	0.0					
6 „	.646	.678	83.0	80.0	3.0	78.9	.88	83.3	86.4	S b W	0.3					
7 „	.663	.724	85.6	80.0	5.6	78.0	.79	85.1	86.4	S	0.1					
8 „	.666	.740	86.8	80.0	6.8	77.5	.75	86.0	86.5	„	0.1					
9 „	.678	.750	88.2	80.4	7.8	77.6	.72	86.5	86.5	„	0·3					
10 „	.681	.788	89.8	80.0	9.8	76.4	.66	87.4	86.5	SSW	0.2					
11 „	.678	.817	91.2	79.6	11.6	75.2	.66	88.1	86.6	SW	0.2					
Noon.	.666	.779	92.0	80.4	11.6	76.2	.61	88.6	86.6	SW b W	0.2	None.			None.	
1 p. m.	·637	.699	93.7	82.0	11.7	77.9	.62	89.9	86.7	W b S	0.1					
2 „	.618	.724	93·7	81.0	12.7	76.4	.59	90.1	86.9	W	0.2					
3 „	.606	.686	93.0	81.5	11.5	77.3	.62	90.1	87.0	„	0.3		+	1		Above 10m.
4 „	.586	.622	92.2	82.2	10.0	78.8	.66	89.6	87.0	„	0.4					
5 „	.586	.674	90.0	80.5	9.5	77.0	.67	88.5	87.0	„	0.3					
6 „	.593	.680	88.0	80.0	8.0	77.1	.71	87.2	87.0	WSW	0.2					
7 „	.608	.713	85.8	79.0	6.8	76.5	.75	86.0	87.0	„	0.1					
8 „	.630	.726	85.0	79.0	6.0	76·8	.77	85.5	87.0	SW b W	0.1					
9 „	.652	.744	84.6	79.0	5.6	76.9	.79	85.0	86.8	SW	0.1					
10 „	.659	.786	84.0	78.0	6.0	75.7	.77	84.9	86.8	„	0.1					
11 „	.650	.766	83.7	78.2	5.5	76.1	.79	84.5	86.7	„	0.1					
May 29th-Midnight	.643	.737	83.7	78.7	5.0	76.8	.81	84.3	86.7	SW	0.1					
1 a. m.	.621	.725	83.4	78.4	5.0	76.5	.81	84.0	86.7	S	0.1					
2 „	.605	.721	83.0	78.0	5.0	76.1	.81	83.8	86.6	„	0.0					
3 „	.603	.719	83.0	78.0	5.0	76.1	.81	83.8	86.5	„	0·0					
4 „	.613	.713	83.0	78.4	4.6	76.6	.82	83.6	86.5	„	0.1					
5 „	.627	.739	82.6	78.0	4.6	76.2	.82	83.3	86.5	„	0.1					
6 „	·637	.711	83.0	79.0	4·0	77.5	.84	83·5	86.5	„	0·1					
7 „	.644	.684	85.7	80.5	5.2	78·7	.80	85.3	86·5	„	0.2					
8 „	.654	.734	87.4	80·0	7.4	77.3	.73	86.5	86.5	„	0.3					
9 „	.660	.745	88.6	80.2	8.4	77.2	.70	87.0	86.5	„	0.3					
10 „	.652	.753	90.0	80.2	9.8	76·6	.66	87.5	86.6	„	0.3					
11 „	.643	.723	92.2	81.2	11.0	77.3	.63	89.0	86.8	SSW	0.2	A few drops of rain.	None.	None.	None.	None.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈ cirro-cumuli; ≈ cumuli; ≈ cirro-strati; ≈ cumulo-strati; and ≈ nimbi.	
2	B	≈ scattered about, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°8 and 85°3.
4	C	" "	
6	C	" "	
5	C	A few ≈ above SW hor.; ≈ scattered about.	
4	C	≈ and ≈ scattered about; ≈ moving NE; a lunar-halo.	
5	R	≈ and ≈ scattered about, the latter moving NE.	
8	R	" " "	
4	R	≈ scattered about, moving NE.	
4	R	" "	
2	B	≈ scattered about hor., moving NE.	
2	B	" "	
2	B	" "	
1	B	≈ scattered around hor.; ≈ above E hor.	
2	C	≈ around hor.; ≈ scattered about.	
1	C	≈ around hor.; ≈ scattered above S hor.	
1	C	≈ scattered around hor.	
2	C	≈ scattered around hor., moving NE.	
2	R	≈ and ≈ scattered about hor., the former moving NE.	
3	R	≈ and ≈ scattered about, the former moving NE.	
5	R	" " "	
2	R	≈ scattered around hor.	
1	B	" "	
1	B	≈ scattered about hor.	
3	B	≈ scattered about, moving NE; a few ≈ above E hor.	
3	B	≈ scattered about hor., moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°0 and 85°6. This was the 13th day on which lightning was observed after sunset.
4	C	≈ scattered about, moving ENE.	
2	C	≈ scattered about hor.; ≈ above W hor.	
3	C	≈ around hor.; ≈ scattered about.	
4	C	≈ and ≈ scattered about, the former moving NE.	
4	R	" " "	
4	R	≈ scattered about, moving NNE.	
4	R	" "	
4	R	≈ above W hor.; ≈ scattered about, moving NNE.	
1	B	≈ scattered here and there, moving NNE.	
1	B	A few ≈ above E hor.; ≈ scattered about.	
1	B	≈ around hor.; ≈ scattered here and there.	
1	B	" " "	
2	C	" " "	
2	C	≈ above E hor.; ≈ scattered about hor.	
3	C	≈ above E hor.; ≈ scattered here and there.	
5	C	≈ scattered about.	
8	R	≈ scattered throughout.	
8	R	Overcast with ≈ and ≈, the latter moving ENE.	
8	R	Overcast with ≈ and ≈, the latter moving NE; lightning in NE hor. in every 3m.	
5	R	≈ scattered about; lightning in NNE in every 2m.	
5	B	≈ and ≈ scattered about, the latter moving ENE; lightning in NNE.	
4	B	Clouded as before; lightning in NNE in every 2½m.	
4	B	Clouded as before; lightning in NNE in every 3m.	
5	B	≈ and ≈ scattered about, the former moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°1 and 85°5. Maximum tension of electricity by Henly's apparatus 5; maximum length of the spark by Ronald's measure 0·07 in; at 1 P. M. the temperature of air was 94°0, highest during the month. This was the 14th day on which lightning was observed after sunset.
5	C	≈ along E hor.; ≈ scattered throughout; a lunar-halo.	
6	C	≈ along E hor.; ≈ above zenith; ≈ scattered throughout; a lunar-halo.	
6	C	≈ along E hor., moving NE; ≈ scattered throughout; a lunar-halo.	
5	C	≈ and ≈ scattered about, the former moving NE.	
7	R	" " "	
7	R	" " "	
5	R	" " "	
6	R	≈ and ≈ scattered throughout, the former moving NNE.	
3	B	≈ around hor.; ≈ scattered here and there.	
4	B	≈ and ≈ scattered about, the former moving NNE.	
3	B	≈ in N hor.; ≈ scattered about.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 29th-Noon.	29.635	28.695	93°5	82°0	11°5	78°0	0.62	90°0	86°8	WSW	0.2					
1 p.m.	.602	.667	94.0	82.0	12.0	77.8	.61	90.3	87.0	,,	0.3					
2 ,,	.583	.648	94.0	82.0	12.0	77.8	.61	90.7	87.2	,,	0.5					
3 ,,	.570	.657	93·6	81.4	12.2	77.1	.60	90.8	87.3	SW	0.5					
4 ,,	.574	.655	93.0	81.4	11.6	77.3	.61	90.4	87.4	,,	0.4					
5 ,,	.572	.659	88.0	80.0	8.0	77.1	.71	88.0	87.4	,,	0.2			Out of Sc.	50	Instantly.
6 ,,	.581	.655	86.8	80.0	6.8	77.5	.75	87.0	87.3	WSW	0.0			Out of Sc.	Out of Sc.	Instantly.
7 ,,	.598	.684	86·0	79.5	6.5	77.1	.76	86.0	87.2	SW b W	0.0			0		
8 ,,	.612	.675	85.8	80.0	5.8	77.7	.78	86.0	87.2	,,	0.0			0		
9 ,,	.631	.702	85.5	79.7	5.8	77.6	.78	85.9	87.1	,,	0.0			1		Above 10m.
10 ,,	.631	.727	85.0	79.0	6.0	76.8	.77	85.3	87.1	,,	0.0			2		2.18
11 ,,	.616	.698	84.5	79.2	5.3	77.3	.80	85.0	87.1	,,	0.0			1		Above 10m.
May 30th-Midnight	.596	.685	84·4	79.0	5.4	77.0	.79	84.7	87.1	SW b W	0.0		+	1		Above 10m.
1 a.m.	.580	.665	84.0	79.0	5.0	77.2	.81	84.7	87.0	,,	0.0		+	1		Above 10m.
2 ,,	.563	.644	83.6	79.0	4.6	77.3	.82	84.2	87.0	,,	0.0		+	1		Above 10m.
3 ,,	.562	.643	83.6	79.0	4.6	77.3	.82	84.2	86.9	,,	0.0					
4 ,,	.568	.646	83·4	79.0	4.4	77.4	.83	84.0	86.8	,,	0.0					
5 ,,	.571	.649	83.4	79.0	4.4	77.4	.83	84.0	86.7	S b E	0.0					
6 ,,	.589	.629	83.7	80.0	3.7	78.7	.85	84.0	86.8	,,	0 0					
7 ,,	.605	.638	85.0	80.5	4.5	78.9	.83	85.0	86.9	,,	0.2					
8 ,,	.612	.674	86.9	80.3	6.6	77.9	.76	86.3	86.9	,,	0·3					
9 ,,	.627	.695	88.6	80.6	8.0	77.7	.71	87.3	86.9	SSE	0.4					
10 ,,	.619	.680	90.4	81.2	9.2	78.0	.68	88.2	87.0	,,	0.5					
11 ,,	.613	.740	92.5	80.2	12.3	75.7	.59	89.0	87.1	S	0.4					
Noon.	.604	.697	93.4	81.2	12.2	76·9	.60	90.0	87·1	SW	0.4					
1 p.m.	.572	.611	94.0	82.6	11.4	78.7	·62	91.0	87.3	SW b W	0.4	None.			None.	
2 ,,	.556	.665	94.0	81·0	13.0	76.3	.58	91.0	87.5	,,	0.3					
3 ,,	.529	.611	94.0	81.6	12.4	77.3	·59	91.0	87.5	W b S	0.5					
4 ,,	.534	.594	92.0	81.6	10.4	78.0	.65	90.3	87.5	SW b W	0.4					
5 ,,	.527	.545	89.6	82.0	7.6	79.3	.73	89·0	87.5	SW	0.3					
6 ,,	.551	.595	88.0	81.0	7.0	78.5	.74	87.9	87.5	,,	0.2					
7 ,,	.556	.612	86.4	80.3	6.1	78.1	.77	86.5	87.5	,,	0.1					
8 ,,	.570	.631	85.6	80.0	5.6	78.0	.79	86.0	87.5	SW b S	0.4					
9 ,,	.594	.652	85.4	80.0	5·4	78.1	.79	86.1	87.4	,,	0.1					
10 ,,	.602	.656	85·0	80.0	5.0	78.2	.81	85.8	87.4	,,	0.2					
11 ,,	.598	.652	85.0	80.0	5.0	78.2	.81	85.6	87.4	,,	0.0					
May 31st-Midnight	.589	.628	84.8	80.3	4.5	78.7	.83	85.3	87.4	SW b S	0.1					
1 a.m.	.558	.576	84.4	80.7	3.7	79.4	.85	85.0	87.3	,,	0.0					
2 ,,	.549	.557	82.4	80.4	2.0	79.7	·92	84.0	87.2	SSE	0.0	0.03	−	Out of Sc.	Out of Sc.	Instantly.
3 ,,	.554	.579	82.4	80.0	2.4	79.2	.90	84.0	87.1	,,	0.4	0.03		Out of Sc.	30	Instantly.
4 ,,	.558	.570	81.2	80.0	1.2	79.6	.95	83.0	87.0	SE b S	0.1	0.52		Out of Sc.	Out of Sc.	Instantly.
5 ,,	.557	.532	81.7	81.0	0.7	80.7	.97	83.0	87.0	,,	0.2					
6 ,,	.572	.624	81.0	79.0	2.0	78.3	.92	82.7	87.0	,,	0.2		+	1		Above 10m.
7 ,,	.584	.600	81.5	80.0	1.5	79.4	.94	82.9	86.8	,,	0.3		+	2		Above 10m.
8 ,,	.598	.621	82.2	80.0	2.2	79.2	.91	83.2	86.7	,,	0.3		+	2		Above 10m.
9 ,,	.610	.638	85.0	80.6	4.4	79.1	.83	85.0	86.6	,,	0.3					
10 ,,	.615	.633	85.6	81.0	4.6	79.4	·82	85.5	86.6	,,	0.2					
11 ,,	·603	·590	88.6	82.2	6.4	80.4	.77	87.0	86.7	S b W	0.5		+	1		Above 10m.
Noon.	.585	.596	89.8	82.2	7.6	79.6	.73	87.9	86.9	,,	0.7		+	1		Above 10m.
1 p.m.	.550	.574	88.6	81.6	7.0	79.2	.75	87.5	87.0	SSW	0.3		+	1		Above 10m.
2 ,,	.533	.645	89.4	80.0	9.4	76.2	.67	88.0	87.0	SW	0.3		+	1		Above 10m.
3 ,,	.508	.532	90.2	82.0	8.2	79.2	.71	88.3	87.1	SW b S	0.2					
4 ,,	.500	.518	89.6	82.0	7.6	79.4	.73	88.0	87.1	,,	0.3					
5 ,,	.511	.555	87.0	81.0	6.0	78·9	.76	86.6	87.0	SSW	0.4					
6 ,,	.524	.572	85.2	80.2	5.0	78.4	.81	85.5	87.0	S b W	0.2					
7 ,,	.533	.563	84.4	80.4	4.0	79.0	.84	85.0	87.0	S	0.3					
8 ,,	.561	.604	84.0	80·0	4.0	78.6	.84	84.6	86.9	,,	0.5					
9 ,,	.586	.671	84·0	79.0	5.0	77.2	.81	84.2	86.8	,,	0.8					
10 ,,	.583	.644	83.8	79.5	4.3	78·0	.83	84·2	86.7	,,	0.6					
11 ,,	.578	.658	83.5	79.0	4.5	77.3	.82	84.1	86.7	,,	0.8					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Nota.—In recording these Observations, the Symbols used to denote the clouds are: ⌒ cirri; ⌒ cirro-cumuli; ⌒ cumuli; ⌒ cirro-strati; ⌒ cumulo-strati; and ⌒ nimbi.	
5	B	⌒ in N and E hor.; ⌒ scattered about.	
5	C	⌒ along E hor.; light ⌒ scattered about.	
4	C	⌒ and ⌒ along E hor., the latter moving W; ⌒ and ⌒ scattered throughout.	
5	C	⌒ and ⌒ around hor.; ⌒ and ⌒ scattered throughout.	
7	C	⌒ and ⌒ around hor.; ⌒ scattered throughout.	
8	R	Overcast with ⌒ and ⌒, the former moving NE. [in N hor. after sunset.	
8	R	Overcast with ⌒ and ⌒, the latter moving NE; slight drops of rain at 6h. 22m; a rain bow in E at 6h. 30m; lightning	
8	R	Overcast with ⌒ and ⌒; lightning in N hor.	
7	R	Densely clouded with ⌒ and ⌒; lightning in N hor. in every ½m.	
8	B	Overcast with ⌒ and ⌒; lightning in ESE in every 1½m.	
8	B	Overcast; lightning in SE hor.	
5	B	⌒ and ⌒ scattered about.	
8	B	Overcast with ⌒ and ⌒.	Mean daily temparature of ground 20 and 60 inches below its surface 86°1 and 85°5. Between 1 and 3 P. M. the temparature of air was 94.0, highest during the month. This was the 15th day on which lightning was observed after sunset.
8	C	⌒ around hor.; ⌒ scattered throughout; a few stars dimly visible about zenith.	
8	C	Overcast; a lunar-halo; a few stars dimly visible.	
8	C	Overcast; a few stars dimly visible.	
7	C	⌒ and ⌒ scattered throughout, the former moving NNE; a lunar-halo.	
8	R	Overcast with ⌒ and ⌒, the latter moving NNE.	
8	R	Overcast with ⌒ and ⌒, the latter moving N.	
8	R	" " "	
7	R	⌒ around hor.; ⌒ scattered throughout.	
4	B	⌒ around hor., moving NNE; ⌒ scattered about.	
4	B	" " "	
4	B	⌒ and ⌒ scattered about, the former moving NW.	
6	B	⌒ along E hor.; ⌒ and ⌒ scattered about, the former moving W.	
7	C	" " "	
7	C	" " "	
7	C	⌒ along E hor.; ⌒ scattered throughout.	
8	C	Overcast with ⌒ and ⌒, the former moving ENE.	
8	R	" " " [6h.55m.	
8	R	Overcast with ⌒ and ⌒, the former moving NNE; lightning in NNE hor. after	
8	R	Overcast; break in W hor.; continuous lightning in NE and E hor.	
8	R	Overcast; continuous lightning in N and E hor.	
8	R	Overcast; lightning in N and SE hor. at intervals of 56s.	
8	B	Overcast with ⌒ and ⌒, the former moving NE; lightning in E and SE hor. every ½m.	
8	B	Overcast; lightning in NE hor. at intervals of 1m. 50s.	
8	B	Overcast with ⌒ and ⌒, the latter moving NE; lightning in SE hor. in every ½m.; a few drops of rain at 0h. 2m.	Mean daily temperature of ground 20 and 60 inches below its surface 86°1 and 85°5. At 4 P. M. Barometer was 29·500, lowest reading during the month. This was the 16th day on which lightning was observed after sunset.
8	C	Overcast; lightning in SE hor. at intervals of 1½m.; slight rain from 1h. 39m. to 1h. 59m.	
8	C	Overcast; lightning in SSE hor. in every 15s; thunder in SE after 2h. 31m.; slight drops of rain from 2h. 0m. to 2h. 59m.	
8	C	Overcast with ⌒, moving W; lightning and thunder in SE and S hor. at every 3½m. intervals; raining lightly.	
8	C	Overcast; continuous lightning and thunder in S hor.; rain ceased at 4h. 50m.	
8	R	Overcast; occasional thunder and lightning in hor.	
8	R	Overcast with ⌒, moving W.	
8	R	" "	
7	R	⌒, ⌒, and ⌒ scattered throughout, the former moving W.	
7	B	⌒, ⌒, and ⌒ scattered throughout, the former moving N.	
6	B	⌒ in N, SE, and SE hor.; ⌒ ⌒, and ⌒ scattered throughout, the latter moving N.	
6	B	⌒ along E hor.; ⌒, ⌒, and ⌒ scattered about, the latter moving N.	
7	B	Clouded as before, but the motion of ⌒ was NNE.	
7	C	⌒ along E hor.; ⌒, ⌒, and ⌒ scattered throughout, the latter moving NE.	
6	C	" " " "	
6	C	Clouded as before; thunder in NE hor. at 3h. 27m.	
8	C	⌒ along E hor.; ⌒ and ⌒ scattered throughout, the latter moving NE.	
8	R	" " " "	
8	R	" " " "	
8	R	Overcast with ⌒ and ⌒, the latter moving NE; lightning in N and NE hor. at intervals of 20s.	
8	R	Overcast; lightning in N and NE hor. at intervals of 40s.	
8	B	Overcast; lightning in NE and E hor. at intervals of 53s.	
7	B	Densely clouded with ⌒ and ⌒, the former moving NE; lightning in NNE and ESE hor. every 2m.	
5	B	⌒ and dense ⌒ scattered about, the former moving NE; lightning in ESE hor. at intervals of 2m. 46s.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in seconds for same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m s.
June 1st-Midnight	29.557	28.635	83·4	79·0	4·4	77·4	0·83	84·0	86·6	S b E	1.8					
1 a. m.	.532	·636	83·4	78.4	5.0	76.5	.80	84.0	86.5	SSE	1.7					
2 „	.518	.575	82.2	79.2	3·0	78.1	.88	83.0	86.5	„	1.4					
3 „	.505	.568	82.0	79.0	3.0	77.9	.88	83.0	86.5	„	2.0					
4 „	.503	·578	81.6	78·6	3.0	77.5	.88	82.6	86.4	SE	1.7					
5 „	.509	·565	81.4	79.0	2.4	78.1	.90	82.3	86.4	„	0.6					
6 „	.535	·671	81.3	78.5	2.8	77.5	.89	82.0	86.4	„	0·5					
7 „	·539	.601	81.9	79.0	2.9	77.9	.88	83.0	86.4	„	0.4					
8 „	.549	·634	84.0	79.0	5·0	77.2	.81	84.0	86.3	„	0.4					
9 „	.562	.650	86.2	79.5	6.7	77.0	.75	85.0	86.2	SSE	0.6					
10 „	.557	.646	88.2	80.0	8.2	77.0	.70	86·2	86.3	S	0.8		None.	None.	None.	None.
11 „	·545	·607	89.6	81.0	8.6	77.9	.70	87.0	86.4	S b W	0.6					
Noon.	.515	·602	91.0	81.0	10.0	77.1	.66	88.0	86.5	SSW	0.6					
1 p. m.	.491	·529	91.5	82.0	9.5	78.7	.67	88.8	86·6	„	0·8					
2 „	.460	.494	91.2	82.0	9.2	78.9	.69	89.0	86.7	SW b S	0.7					
3 „	·437	.459	90.0	82.0	8.0	79.3	.72	88.8	86.8	S b W	0.6					
4 „	·429	.431	88·2	82.0	6.2	79.9	.77	88.0	86.9	S	0.7					
5 „	.445	.483	86.2	80.7	5.5	78.7	.79	86.5	87.0	„	0.6					
6 „	.464	.481	84.8	80.8	4.0	79.4	.84	85.5	86.9	„	0.7					
7 „	.478	·523	84.2	80.0	4.2	78.5	.84	85.0	86.9	S b E	0.8					
8 „	.491	.488	81.8	80.5	1.3	80.1	.95	83·5	86.7	„	0.6	0.02				
9 „	·505	·555	80.8	79.0	1.8	78.3	.93	82.6	86.6	„	0.5					
10 „	.507	·563	81.4	79.0	2.4	78.1	.90	83·0	86.5	SSE	0.4					
11 „	·513	.565	81.0	79.0	2.0	78.3	.92	82.5	86.5	SE	0.3					
June 3rd-Midnight	.552	.718	76.8	75.0	1.8	74.3	.92	77.0	84.6	W	¼ to 4¾	0.11				
1 a. m.	.553	.717	76.6	75.0	1.6	74·3	.93	76.8	84.5	WNW	1 to 8⅝	0.46				
2 „	.551	.842	75.4	71.2	4.2	69.2	.83	76·0	84.4	„	¼ to 2½	0.07				
3 „	.541	.810	76.0	72.0	4.0	70.2	.83	76.4	84.3	W	¼ to 2¼	0.09				
4 „	.549	.774	77.6	73·5	4.5	72.0	.85	77.2	84.2	„	0.3	0.09				
5 „	.562	.757	76.0	74.0	2.0	73.2	.91	77.0	84.1	„	¼ to 2⅛	0.10				
6 „	.577	.766	76.5	74.3	2.2	73.4	.91	77.5	84·0	NW	¼ to 1¼	0.02				
7 „	.607	.789	77.8	72.2	5.6	69.6	.77	78.1	83.8	„	1.4	0.01				
8 „	.613	.982	78.6	70.0	8.6	65.6	.66	78.8	83.8	„	0 to 1¾					
9 „	.625	.948	80.0	71.7	8.3	67.8	.68	79.1	83.9	„	0.3					
10 „	.633	.993	81.0	71.0	10.0	66.1	.62	80.6	83.9	N b E	0.3					
11 „	.642	.856	81.2	75.0	6.2	72.4	.66	80.9	83.9	SE b E	0.3		None.	None.	None.	None.
Noon.	.626	.710	82.0	78.5	3.5	77.2	.86	82.0	83.9	S	0.7					
1 p. m.	.616	.715	83.8	78.6	5.2	76.7	.80	83.0	83.9	S b E	0.7					
2 „	.603	.688	84.0	79.0	5.0	77.2	.81	83.2	83.9	SSE	0.5					
3 „	.593	.791	84.0	76.2	7.8	73.0	.71	83.2	84.0	E b N	0.2					
4 „	.592	.716	80.8	77.2	3.6	75.8	.85	81.5	84.0	SSW	0.8					
5 „	.586	.722	78.4	76.2	2.2	75.4	.91	80.1	84.0	„	0.4					
6 „	.598	.718	79.0	76.8	2.2	75.9	.91	80.2	84.0	„	0.6					
7 „	.616	·728	79.0	77.0	2.0	76.2	.92	80.1	84.0	„	0.7					
8 „	.636	.787	79.0	76.0	3.0	74.8	.88	79.9	84·0	SW b W	0·6					
9 „	.660	.790	80.6	77.0	3.6	75.6	.85	80.2	84.0	SW	0.5					
10 „	.668	.795	80.4	77.0	3.4	75.7	.86	80.4	84.0	SSW	0.8					
11 „	.662	.754	80.8	78.0	2.8	76.9	·89	80.9	84.0	„	0.8					
June 4th-Midnight	·658	.731	81.0	78.5	2.5	77.6	.90	81.0	84.0	SSW	0.8					
1 a. m.	.645	.701	81.4	79.0	2.4	78.1	·90	81.3	83.9	„	0.8					
2 „	.628	.686	81.5	79.0	2.5	78.1	·90	81·6	84.0	„	0.3					
3 „	.622	.678	81.4	79.0	2.4	78.1	.90	81.5	84·1	SW	0.2					
4 „	.628	.684	81.4	79.0	2.4	78·1	.90	81.6	84.1	SW b W	0·2					
5 „	.638	.693	81.3	79.0	2.3	78.2	.91	81.5	84.2	„	0.2					
6 „	.660	.708	81.4	79.2	2.2	78.4	.91	81.9	84.2	„	0.3					
7 „	.675	.717	82.0	79.5	2.5	78.6	.90	82·4	84.2	WSW	0.3					
8 „	.690	.724	83.2	80.0	3.2	78.9	·87	83.0	84.2	„	0.1					
9 „	.707	.702	86.0	81.6	4.4	80.1	.83	85.0	84.4	„	0.2					
10 „	.709	.664	88.0	83.0	5.0	81.4	.81	86.5	84.5	„	0.2	Drops of rain.	+	1	None.	Above 10m.
11 „	.705	·712	88.6	82.0	6.6	79.7	.76	86.5	84.6	„	0.4		+	1		8.40

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Nota.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒≀ cumuli; ⌒≀ cirro-strati; ⌒≀≀ cumulo-strati; and ≀≀≀ nimbi.	
6	B	≀≀ and ≀ scattered about, the former moving NE; lightning in E hor. at intervals of 52s; slight drops of rain at 0h. 20m.	Mean daily temperature of ground 20 and 60 inches below its surface 86°2 and 85°5. Daily fall of rain by Osler's Gauge 0·02 in; at 4 P. M. the barometer was 29·429, lowest during the month; the temperature of air at 1 P. M. was 91°5, highest during the month.
6	C	Clouded as before; lightning in E hor.; slight drops of rain at 1h. 29m.	
5	C	Clouded as before; lightning in E hor. at intervals of 3m. 15s. (at 3h. 17m.	
8	C	Overcast with ≀ and ≀≀, the latter moving NNE; lightning in NE hor. at intervals of 2m. 50s.; a passing shower of rain.	
8	C	Overcast; lightning in NE hor. at intervals of 4m.	
7	R	Densely clouded with ≀ and ≀≀, the latter moving N.	
8	R	Overcast with ≀≀, moving NNW; slight rain from 6h. 28m. to 6h. 40m.	
7	R	≀≀ scattered throughout, moving NW.	
7	R	≀≀ and ≀ scattered throughout, the former moving NNW.	
3	B	⌒≀ in SE hor.; ≀≀ scattered about hor.	
2	B	⌒≀ in SE hor.; ≀≀ around hor.; ≀ scattered here and there.	
2	B	⌒≀ in SE hor; ≀≀ scattered about hor.	
2	B	⌒≀ and ≀≀ scattered about hor.	
3	C	⌒≀, ≀, and ≀≀ scattered about hor.	
3	C	⌒≀ around hor.; ≀≀ and ≀ scattered about, the former moving NE.	
5	C	⌒≀ along E hor. ≀≀ and ≀ scattered about, moving NE.	
8	C	Nearly overcast with ≀≀, moving NE.	
8	R	Overcast; slight drops of rain between 5h. 25m. and 5h. 35m.	
8	R	Overcast with ≀≀, moving NE.	
8	R	Overcast with ≀≀, moving N; lightning in NE hor. in every 10s; a shower of rain from 7h. 23m. to 7h. 25m.	
7	R	Densely clouded with ≀≀, moving N; lightning in NE in every 2m.	
7	R	≀≀ and ≀ scattered about, the former moving N; lightning in NE hor. every minute	
6	R	" " " "	
7	R	Clouded as before; lightning in NE hor. every 2m.	
8	R	Overcast with ≀≀, moving E; strong puffs of wind.	Mean daily temperature of ground 20 and 60 inches below its surface 86°3 and 85°8. Daily fall of rain by Osler's Gauge 0·94 in. This was the 18th day on which the wind was abnormal.
8	B	" " "	
8	B	Overcast; raining; strong puffs of wind.	
8	B	" "	
8	B	" "	
8	C	Overcast; raining.	
8	C	" "	
8	C	Overcast; rain ceased at 7h. 52m.	
8	C	Overcast; slight drops of rain between 8h. 45m. and 9h. 0m.	
8	R	Overcast; slight drops of rain now and then.	
8	R	Overcast with ≀≀, moving SE; drops of rain between 10h. 18m. to 10h 24m.	
8	R	Overcast with ≀≀, moving ENE; slight rain between 11h. 35m. and 11h. 40m.	
8	R	Overcast with ≀≀, moving NE.	
8	B	" "	
8	B	" "	
8	B	⌒≀ in E hor; ≀≀ and ≀≀ scattered throughout; drizzling rain commenced at 3h.36m	
8	B	Overcast with ≀≀, moving NE; drizzling rain.	
8	C	Overcast; rain ceased at 5h. 37m.	
8	C	Overcast with ≀≀, moving NE.	
8	C	" "	
8	C	" "	
8	R	" "	
8	R	" "	
8	R	" "	
8	R	Overcast with ≀≀, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°1 and 85°9.
8	B	" "	
8	B	Overcast with ≀≀, moving NE.	
8	B	" "	
8	B	" "	
7	C	Densely clouded with ≀≀ and ≀≀, the latter moving NE.	
8	C	Overcast with ≀≀, the former moving NE; a few ≀ in W of zenith.	
8	C	" " " "	
8	C	Densely clouded with ≀≀ and ≀≀, the former moving NE.	
7	R	Densely clouded with ≀≀, ≀≀, and ≀, the former moving NNE.	
7	R	≀≀, ≀≀, and ≀ scattered throughout, the former moving NE.	
7	R	≀≀ and ≀ scattered throughout, the former moving ENE.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.	°	°	°	°		°	°		lbs.	in.		Sc. div.	Sc. div.	m. s.
June 4th-Noon	29.703	28.692	89·0	82·5	6·5	80·3	0.76	87·0	84·8	W b S	0.3		+	·2		2.00
1 p. m.	.700	.705	89.7	82.3	7.4	79.8	.74	87.2	84.9	,,	0.7					
2 ,,	.687	.662	89.8	83.0	6.8	80.7	.76	87.4	85.0	W	0.3					
3 ,,	.671	.791	87.9	79.2	8.7	75.9	.69	86.1	85.1	WNW	0.2					
4 ,,	.669	.737	88.6	80.6	8.0	77.7	.71	86.6	85.3	W	0.3					
5 ,,	.661	.852	86.2	77·0	9.2	73.3	.67	85.2	85.3	,,	0.1	Drops of rain.			None.	
6 ,,	.675	.750	85.0	79.5	5.5	77.5	.79	84.6	85.3	WSW	0.1					
7 ,,	.697	.740	84.0	80.0	4.0	78.6	.84	83.2	85.2	,,	0.1					
8 ,,	.720	.792	82.8	79·0	3.8	77.6	.85	83·2	85.2	,,	0.2					
9 ,,	.738	.981	80.4	74.0	6.4	71·2	.75	81.0	85.0	,,	0.5					
10 ,,	·747	.872	80.2	77.0	3.2	75.8	.87	81.0	85.0	SSW	0.2		+	1		Above 10m.
11 ,,	.741	.765	82.3	80.0	2.3	79.2	.91	82.3	85.0	SW b W	0.3					
June 5th-Midnight	.728	.753	82.4	80.0	2.4	79.2	.90	82.5	85.0	WSW	0.2					
1 a. m.	.723	.788	82.2	79.0	3.2	77.8	.87	82.3	85.0	SW	0.6					
2 ,,	.709	.795	81.8	78·4	3.4	77.1	.86	82.2	85·0	WSW	0.6					
3 ,,	.707	.770	82.0	79.0	3.0	77.9	.88	82.4	85·0	,,	0.8					
4 ,,	.707	.792	81.3	78.4	2.9	77.2	.88	81.9	85·0	SW b W	0.2	0.01				
5 ,,	.710	.840	80.6	77.0	3.6	75.6	.85	81.2	85.0	,,	0.2					
6 ,,	.726	.827	81.6	78.0	3.6	76.6	.85	82.0	85.0	WSW	0.1					
7 ,,	.741	·822	83.6	79.6	4.0	77.3	.84	83.6	85.0	,,	0.1					
8 ,,	.762	.775	85.2	81.0	4.2	79·5	.84	85.0	85.0	,,	0.2					
9 ,,	.771	.797	86.4	81.0	5.4	79.1	.80	85.5	85.0	,,	0.3					
10 ,,	.769	.749	88.2	82.5	5.7	80.6	.79	86.5	85.2	,,	0.4					
11 ,,	.769	.800	89.2	81.6	7.6	79.0	·73	87.0	85.3	,,	0.3					
Noon.	.758	.753	90.0	82.6	7.4	80.1	.74	87.5	85.4	,,	0.2					
1 p. m.	.752	.769	90.4	82.2	8.2	79.4	.71	87.7	85.4	,,	0.4		None.	None.	None.	None.
2 ,,	.739	.768	90.6	82.0	8.6	79.0	.70	88.0	85.5	,,	0·3					
3 ,,	.716	.740	90.2	82.0	8.2	79.2	.71	87.9	85.6	W	0.3					
4 ,,	.705	.753	89.2	81.2	8.0	78.4	.71	87.5	85.7	W b S	0.5					
5 ,,	.690	.720	87.6	81.2	6.4	77.0	.76	86.1	85.8	W	0.2					
6 ,,	.705	.763	85.4	80.0	5.4	78.1	.79	85.3	85.9	W b S	0.1					
7 ,,	.719	.894	81.2	76.0	5.2	73.9	.79	82.4	85.8	WSW	0.1					
8 ,,	.730	.849	81.5	77.5	4.0	76.0	.84	82.3	85·7	,,	0.1					
9 ,,	.751	.816	82.2	79.0	3.2	77.8	.87	82.5	85.6	,,	0·1					
10 ,,	.752	.784	83.0	80.0	3.0	78.9	.88	83.0	85.6	,,	0.5					
11 ,,	.740	.770	82.8	80.0	2.8	79.0	.89	83.0	85.5	,,	0.3					
June 6th-Midnight	.726	.812	80.3	78.0	2.3	77.1	.90	81.0	85.5	WSW	0.5	0.25	+	1		Above 10m.
1 a. m.	.725	.834	80.5	77.2	3.3	76.3	.86	81.2	85.4	W	0.5					
2 ,,	.713	.807	81.0	78.0	3.0	76.8	.88	81·5	85.3	WSW	0.3					
3 ,,	.705	.807	81.2	78.0	3·2	76.8	.87	81.6	85.2	,,	0.6					
4 ,,	.705	.799	81.0	78·0	3.0	76.8	.88	81.5	85·2	,,	0.5					
5 ,,	.698	.766	81.0	78.6	2.4	77.7	.90	81.5	85.2	,,	0.1					
6 ,,	.714	.804	80.6	78.0	2.6	77.0	.89	81.2	85.2	,,	0.1	0.01				
7 ,,	.729	.803	83·0	79.0	4.0	77.5	.84	82.9	85.3	,,	0.2					
8 ,,	.746	.800	85.0	80.0	5.0	78.2	.81	84.2	85.3	,,	0.1					
9 ,,	.755	.777	86·0	81.0	5.0	79.3	.81	85.0	85.4	,,	0.2					
10 ,,	.751	.746	87.5	82·0	5.5	80.1	.80	86·2	85.5	,,	0.4					
11 ,,	.744	.751	88.6	82.0	6.6	79.7	.76	86.7	85.5	SW b W	0.3					
Noon.	.733	.708	89.8	83.0	6.8	80.7	.76	87.5	85.5	WSW	0.2				None.	
1 p. m.	.726	.733	90.0	82.2	7.8	79.7	.72	87.5	85.6	SW b W	0.4					
2 ,,	.711	·752	89.8	81.5	8.3	78·6	.70	87.5	85.8	SW	0.5					
3 ,,	.696	.735	89.6	81.5	8.1	78.7	.71	87.6	85.9	SW b W	0·4					
4 ,,	.692	.734	87.8	81.0	6.8	78.6	·75	86.9	86·0	,,	0.3					
5 ,,	.683	.716	87.0	81.0	6.0	78.9	.78	85.3	86.0	SW	0.2					
6 ,,	.697	.727	84.4	80.4	4.0	79·0	.84	84.0	85.8	WSW	0.2	0.03				
7 ,,	.710	.833	80.0	77.0	3.0	75.8	.88	83.0	85.8	W b S	0.1	0.04				
8 ,,	.722	.818	80.7	78·0	2.7	76.9	.89	82.0	85.8	SSW	0.2					
9 ,,	.730	.826	81.2	78.0	3.2	76.8	.87	82.0	85.6	,,	0.4					
10 ,,	.734	.793	81.6	79.0	2.6	78.0	.89	82.2	85.6	,,	0.2					
11 ,,	.726	.789	82.0	79.0	3.0	77.9	.88	82.5	85.6	SW	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		NOTE.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒i cirro-cumuli; ⌒i cumuli; ⌒i cirro-strati; ⌒i cumulo-strati; and ⌒i nimbi.	
7	R	⌒i scattered throughout, moving ENE.	
7	B	Dense ⌒i scattered throughout, moving ENE.	
7	B	Dense ⌒i and ⌒i scattered throughout, moving ENE.	
7	B	⌒i around hor; ⌒i scattered throughout, moving ENE.	
6	B	⌒i, ⌒i, and ⌒i scattered throughout, the former moving ENE.	
7	C	" " "	
4	C	⌒i around hor.; ⌒i and ⌒i scattered throughout.	
4	C	⌒i and ⌒i scattered about, the former moving NE; slight rain at 7h. 44m.	
5	C	⌒i scattered throughout, moving NE; slight drops of rain between 8h. 22m. and 8h. 25m.	
5	R	⌒i scattered about, moving NE; slight rain between 9h. 0m. and 9h. 10m.	
5	R	⌒i and ⌒i scattered about, the former moving NE.	
6	R	" " "	
4	R	⌒i scattered about, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°0 and 86°0. Daily fall of rain by Osler's Gauge 0·01 in.
4	B	" "	
4	B	Clouded as before; a few drops of rain at 2h. 52m.	
5	B	Clouded as before; slight rain at 3h. 17m., which lasted 2m.	
3	B	⌒i and ⌒i scattered about, the former moving NE.	
2	C	" " "	
4	C	⌒i around hor.; ⌒i and ⌒i scattered about.	
4	C	⌒i and ⌒i scattered about, the former moving NE.	
4	C	" " "	
4	R	⌒i and ⌒i scattered about, the former moving E.	
4	R	⌒i and ⌒i scattered about, the former moving ENE.	
7	R	⌒i and ⌒i scattered about, the former moving NE.	
5	R	" " "	
6	B	⌒i scattered about, moving ENE.	
6	B	⌒i scattered about, moving E.	
6	B	" "	
5	B	" "	
6	C	" "	
5	C	⌒i scattered about, moving ENE.	
8	C	Overcast with ⌒i and ⌒i, the former moving ENE.	
4	C	⌒i scattered about, moving NE.	
4	R	Light ⌒i scattered about, moving NE.	
7	R	" "	
3	R.	⌒i and ⌒i scattered about, the former moving NE; a heavy shower of rain at 11h. 88m., which lasted 5m.	
4	R	⌒i scattered about, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°0 and 86°0. Daily fall of rain by Osler's Gauge 0·34 in.
6	B	⌒i and ⌒i scattered about, the former moving ENE.	
3	B	⌒i and ⌒i scattered about hor.	
2	B	⌒i scattered about hor.	
4	B	⌒i scattered about, moving E.	
5	C	⌒i scattered about, moving NE; a few ⌒i about E hor; light rain at 5h. 18m.	
5	C	⌒i around hor; ⌒i scattered about.	
5	C	⌒i and ⌒i scattered about, the former moving ENE.	
4	C	⌒i scattered about, moving ENE.	
6	R	A few ⌒i above S hor; ⌒i scattered throughout, moving ENE.	
6	R	⌒i scattered about, moving NE.	
6	R	⌒i and ⌒i scattered throughout, the former moving NE.	
6	R	" " "	
6	B	⌒i and ⌒i scattered about, the former moving ENE.	
7	B	" " "	
5	B	Clouded as before; drizzling rain at 3h. 30m., which lasted 6m.	
7	B	⌒i and ⌒i scattered throughout, the former moving ENE.	
7	C	Clouded as before; light rain between 5h. 5m. and 5h. 24m.	
7	C	Densely clouded; light rain from 6h. 39m. to 6h. 54m.	
7	C	⌒i and ⌒i scattered about, the former moving ENE.	
4	C	⌒i scattered about hor.	
1	R	⌒i scattered along E hor.	
2	R	⌒i scattered around hor.	
4	R	⌒i scattered about, moving NE.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.	°								lbs.	in.		Sc. div.	Sc. div.	m. s.
June 7th-Midnight	29.709	28.753	82°2	79°5	2°7	78°5	0.89	82°5	85°5	SW	0.2					
1 a. m.	.709	.781	81.7	78.7	3.0	77.6	.88	82.2	85.5	SW b S	0.2					
2 „	.685	.747	81.9	79.0	2.9	77.9	.88	82.3	85.4	SW	0.7					
3 „	.683	.783	81.5	78.0	3.5	76.6	.86	82.1	85.3	„	0.4					
4 „	.682	.769	81.5	78.3	3.2	77.1	.87	82.1	85.3	„	0.2					
5 „	.680	.739	81.0	79.0	2.0	78.2	.92	81.7	85.2	WSW	0.2	0.10				
6 „	.696	.754	81.5	79.0	2.5	78.4	.90	82.0	85.3	SW	0.1					
7 „	.712	.756	82.6	79.6	3.0	78.5	.88	82.9	85.4	SW b W	0.2					
8 „	.724	.748	84.6	80.6	4.0	79.2	.84	84.3	85.4	„	0.1					
9 „	.736	.721	86 6	82.0	4.6	80.4	.83	85.5	85.5	„	0.2					
10 „	.736	.734	87.8	82.0	5.8	80.0	.79	86.5	85.5	WSW	0.5					
11 „	.730	.732	88.2	82.0	6.2	79.9	.77	86.8	85.6	SW	0.4					
Noon.	.728	.694	89.0	83.6	6.0	81.0	.78	87.0	85.7	„	0.5					
1 p. m.	.722	.873	79.0	76.0	3.0	74.8	.88	79.5	85.7	WSW	0.2	0.20		Out of Sc.	Out of Sc.	Instantly.
2 „	.703	.846	81.8	77.0	4.8	75.1	.81	81.2	85.6	SW	0.6					
3 „	.690	.762	84.8	79.5	5.3	77.6	.80	84.0	85.6	„	0.3		+	1		Above 10m.
4 „	.677	.731	85.0	80.0	5.0	78.2	.81	84.6	85.6	SW b S	0.5		+	1		Above 10m.
5 „	.665	.794	84.2	78.0	6.2	75.6	.76	84.0	85.7	„	0.1		+	1		Above 10m.
6 „	.666	.751	84.0	79.0	5.0	77.2	.81	83.8	85.6	SW	0.1		+	1		Above 10m.
7 „	.674	.708	83.2	80.0	3.2	78.9	.87	83.3	85.5	SSW	0.3		+	1		Above 10m.
8 „	.672	.855	78.4	75.0	3.4	73.6	.86	80.3	85.5	W	0.6	0.03	+	1		Above 10m.
9 „	.691	.783	80.8	78.0	2.8	76.9	.89	81.0	85.4	SW b W	0.5					
10 „	.700	.794	81.0	78.0	3.0	76.8	.88	81.4	85.3	„	0.5			0		
11 „	.713	.809	81.2	78.0	3.2	76.8	.87	81.5	85.2	SW	0.5					
June 8th-Midnight	.699	.793	81.0	78.0	3.0	76.8	.88	81.2	85.2	SW	0.5		+	1		Above 10m.
1 a. m.	.681	.840	79.7	76.0	3.7	74.5	.85	80.1	85.1	„	0.4	0.01	+	1		Above 10m.
2 „	.673	.790	80.2	77.2	3.0	76.0	.88	80.6	85.0	SSW	0.6		+	1		Above 10m.
3 „	.661	.767	80.6	77.6	3.0	76.4	.88	81.1	85.0	„	0.5					
4 „	.660	.774	81.0	77.5	3.5	76.1	.86	81.2	85.0	SW b S	0.3					
5 „	.656	.731	81.2	78.5	2.7	77.5	.89	81.5	85.0	SSW	0.3					
6 „	.673	.805	78.0	76.2	1.8	75.5	.92	79.7	84.8	„	0.3	0.07				
7 „	.686	.766	79.7	78.0	1.7	77.3	.93	80.6	84.8	SSE	0.1			0		
8 „	.703	.766	82.0	79.0	3.0	77.9	.88	82.0	84.9	SW	0.2					
9 „	.706	.723	84.0	80.6	3.4	79.4	.87	83.5	84.9	„	0.2					
10 „	.700	.769	81.4	78.7	2.7	77.7	.89	82.0	85 0	SW b S	0.3	0.21			None.	
11 „	.696	.654	86.2	82.5	3.7	81.3	.86	85.0	85.0	SW	0.2		+	1		Above 10m.
Noon.	.696	.640	87.0	83.0	4.0	81.7	.85	85.9	85.0	„	0.3				None.	
1 p. m.	.679	.690	85.0	81.0	4.0	79.6	.84	84.8	85.1	SSW	0.3	0.15				
2 „	.667	.676	84.8	81.0	3.8	79.7	.85	84.7	85.1	SW b W	0.5					
3 „	.659	.670	85.0	81.0	4.0	79.6	.84	84.7	85.1	W b S	0.1					
4 „	.652	.697	84.2	80.0	4.2	78.5	.84	84.1	85.1	W	0.1					
5 „	.641	.658	84.0	80.6	3.4	79.4	.87	84.0	85.2	NW b W	0.1					
6 „	.653	.696	84.0	80.0	4.0	78.6	.84	84.0	85.3	W b S	0.1					
7 „	.662	.694	83.0	80.0	3.0	78.9	.88	83.2	85.3	WSW	0.1	0.02				
8 „	.674	.737	82.0	79.0	3.0	77.9	.88	82.7	85.2	„	0.0					
9 „	.695	.758	82.0	79.0	3.0	77.9	.88	82.5	85.2	„	0.0					
10 „	.710	.773	82.0	79.0	3.0	77.9	.88	82.4	85.2	„	0.0					
11 „	.706	.767	82.2	79.1	3.1	78.0	.87	82.4	85.2	„	0.1					
June 10th-Midnight	.700	.748	82.6	79.5	3.1	78.4	.88	83.0	85.5	WSW	0.4					
1 a. m.	.694	.753	82.4	79.2	3.2	78.0	.87	82.9	85.5	„	0.5					
2 „	.678	.735	82.6	79.3	3.3	78.1	.87	83.0	85.5	„	0.3					
3 „	.676	.742	82.3	79.0	3.3	77.8	.87	82.4	85.5	„	0.3					
4 „	.677	.770	82.2	78.5	3.7	76.9	.85	82.4	85.5	SW b W	0.3					
5 „	.674	.737	82.0	79.0	3.0	77.9	.88	82.2	85.5	WSW	0.1	None.	None.	None.	None.	None.
6 „	.695	.761	82.3	79.0	3.3	77.8	.87	82.3	85.5	„	0.2					
7 „	.718	.758	83.7	80.0	3.7	78.7	.85	83.6	85.5	„	0.3					
8 „	.731	.770	86.0	80.6	5.4	78.7	.80	85.4	85.6	„	0.2					
9 „	.735	.770	87.2	81.0	6.2	78.8	.77	86.5	85.5	„	0.3					
10 „	.740	.787	88.3	81.0	7.3	78.4	.73	86.5	85.5	„	0.3					
11 „	.746	.794	88.4	81.0	7.4	78.4	.73	86.6	85.6	W b S	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Ci cirri; Cc cirro-cumuli; Cu cumuli; Cs cirro-stirati; Cu cumulo-stirati; and Ni nimbi.	
5	R	Cc scattered about, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°0 and 86°1. Daily fall of rain by Osler's Gauge 0·33 in; maximum tension of Electricity by Henly's apparatus 18; maximum length of the spark by Ronald's measure 0·22 in.
5	B	" "	
4	B	" "	
2	B	Cc scattered about hor.	
2	B	Clouded as before; light rain between 4h. 39m. and 4h. 47m.	
7	C	Cc scattered throughout, moving NE.	
4	C	Cc around hor.; Ci scattered about zenith.	
6	C	Cc scattered about, moving NE.	
5	C	" "	
7	R	" "	
7	R	Densely clouded with Cc; a few patches of Cc about zenith.	
6	R	Cc and Cc scattered throughout, the former moving ENE.	
5	R	Cc scattered about, moving NE; rain commenced at 12h. 35m.	
8	B	Overcast with Cc, moving ENE; rain ceased at 1h. 18m.	
8	B	Overcast with Cc and Cc, the former moving NE.	
8	B	" " "	
8	B	" " "	
7	C	Cc and Cc scattered throughout, the former moving NE.	
7	C	Cc around hor; Cc scattered throughout.	
7	C	Cc and Cc scattered throughout; rain between 7h. 1m. and 7h. 10m; drizzling rain from 7h. 37m. to 7h. 52m.	
8	C	Overcast; a few stars dimly visible in S.	
7	R	Cc scattered throughout, moving ENE.	
6	R	" "	
4	R	" "	
7	R	Cc scattered throughout, moving ENE; rain at 0h. 8m., which lasted 3m.	Mean daily temperature of ground 20 and 60 inches below its surface 86°0 and 86°0. Daily fall of rain by Osler's Gauge 0·44 in.
7	B	Cc scattered throughout; no rain.	
8	B	Overcast with Cc, moving NE; a few stars dimly visible.	
6	B	Cc scattered throughout, moving NE.	
6	B	" "	
7	C	Clouded as before; rain at 5h. 2m., which lasted 7m., but it recommenced at 5h. 38m.	
8	C	Overcast; rain ceased at 6h. 39m.	
8	C	Overcast; no rain.	
8	C	"	
8	R	Overcast; rain from 9h. 34m. to 10h. 10m.	
8	R	Overcast; no rain.	
7	R	Densely clouded with Cc and Ci, the former moving ENE.	
8	R	Overcast; rain commenced at 12h. 52m.	
8	B	Overcast; rain ceased at 1h. 3m.	
7	B	Densely clouded with Cc, moving ENE; thunder in N hor. after 2h. 24m.	
8	B	Overcast; no thunder.	
8	B	Overcast with Cc, moving E; a break in SE.	
7	C	Densely clouded with Cc, moving E.	
4	C	Cc and Cc scattered about, the former moving E; light rain from 6h. 49m. to 6h. 54m.	
7	C	Cc scattered throughout, moving E.	
7	C	Cc scattered throughout, moving ENE.	
3	C	Cc scattered about, moving ENE.	
3	C	" "	
3	C	" "	
3	R	Cc scattered about, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°1 and 86°0.
5	B	" "	
7	B	Cc and Ci scattered thoughout, the former moving ENE.	
7	B	" " "	
8	B	Overcast with Cc, moving NE.	
7	C	Densely clouded with Cc, moving NE; drizzling rain from 5h. 7m. to 5h. 13m.	
6	C	Cc and Cc scattered throughout, the former moving NE.	
6	C	" " "	
4	C	" " "	
6	R	" " "	
5	R	" " "	
7	R	Cc scattered throughout, the former moving NE.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.	°	°	°	°		°	°		lbs.	in.		Sc. div.	Sc. div.	m. s.
June 10th-Noon.	29.738	28.760	90	82	8	79	0.72	87	85	W b S	0.3					
1 p. m.	.721	.738	91.1	82.5	8.6	79.4	.70	88.3	85.8	W	0.4					
2 „	.711	.763	90.8	81.5	9.3	78.3	.68	88.2	85.9	„	0.3					
3 „	.703	.749	90.6	81.6	9.0	78.5	.69	88.2	86.0	„	0.4					
4 „	.689	.753	89.8	81.0	8.8	77.9	.69	87.8	86.1	„	0.4	None.	None.	None.	None.	None.
5 „	.677	.745	88.2	80.5	7.7	77.7	.72	87.0	86.2	„	0.2					
6 „	.679	.786	86.0	79.0	7.0	76.4	.74	85.8	86.2	„	0.1					
7 „	.695	.793	84.4	78.8	5.6	76.7	.80	84.7	86.1	„	0.1					
8 „	.708	.789	83.6	79.0	4.6	77.3	.82	84.0	86.0	„	0.1					
9 „	.720	.797	83.3	79.0	4.3	77.4	.83	84.0	86.0	„	0.1					
10 „	.738	.812	83.0	79.0	4.0	77.5	.84	83.5	86.0	WSW	0.2					
11 „	.730	.804	83.0	79.0	4.0	77.5	.84	83.0	86.0	„	0.2					
June 11th-Midnight	.714	.783	82.5	79.0	3.5	77.7	.86	83.0	86.0	WSW	0.4					
1 a. m.	.713	.802	82.5	78.5	4.0	77.0	.84	82.9	85.9	„	0.4					
2 „	.693	.781	82.4	78.5	3.9	77.0	.85	82.8	85.8	SW	0.5					
3 „	.680	.785	82.0	78.0	4.0	76.5	.84	82.4	85.6	„	0.4					
4 „	.678	.781	81.8	78.0	3.8	76.5	.85	82.2	85.6	WSW	0.3					
5 „	.679	.798	81.5	77.5	4.0	76.0	.84	82.0	85.6	„	0.1					
6 „	.689	.792	81.8	78.0	3.8	76.5	.85	82.3	85.6	SW b W	0.1					
7 „	.708	.810	83.7	78.5	5.2	76.6	.80	83.5	85.6	„	0.2					
8 „	.727	.846	85.2	78.5	6.7	76.0	.75	84.6	85.7	„	0.1					
9 „	.741	.822	85.6	79.5	6.1	77.3	.77	85.0	85.6	„	0.2					
10 „	.749	.834	87.8	80.0	7.8	77.2	.72	86.1	85.6	WSW	0.4					
11 „	.744	.821	89.0	80.5	8.5	77.4	.70	86.9	85.7	„	0.5	Drops of rain.				
Noon.	.740	.808	90.2	81.0	9.2	77.7	.68	87.8	85.9	„	0.6		None.	None.	None.	None.
1 p. m.	.738	.792	90.7	81.2	9.5	78.2	.67	88.0	86.0	„	0.5					
2 „	.730	.784	90.7	81.2	9.5	78.2	.67	88.1	86.1	„	0.4					
3 „	.722	.792	90.4	81.0	9.4	77.7	.67	88.0	86.1	„	0.5					
4 „	.708	.789	89.0	80.4	8.6	77.3	.69	87.5	86.1	„	0.5					
5 „	.698	.771	86.7	80.0	6.7	77.6	.75	86.4	86.2	„	0.3					
6 „	.707	.791	85.4	79.4	6.0	77.2	.77	85.4	86.2	„	0.1					
7 „	.713	.814	84.0	78.6	5.4	76.6	.79	84.6	86.1	„	0.1					
8 „	.733	.814	83.6	79.0	4.6	77.3	.82	84.0	86.1	„	0.4					
9 „	.737	.814	83.3	79.0	4.3	77.4	.83	83.7	86.0	SW	0.2					
10 „	.740	.835	83.0	78.5	4.5	76.8	.82	83.5	86.0	WSW	0.3					
11 „	.736	.808	82.8	79.0	3.8	77.6	.85	83.1	86.0	SW b W	0.2					
June 12th-Midnight	.728	.800	82.8	79.0	3.8	77.6	.85	83.0	86.0	WSW	0.4					
1 a. m.	.722	.830	82.3	78.0	4.3	76.4	.83	82.9	85.9	„	0.3					
2 „	.709	.818	82.3	78.0	4.3	76.4	.83	82.7	85.7	SW	0.3					
3 „	.704	.839	81.8	77.2	4.6	75.4	.82	82.5	85.6	„	0.3					
4 „	.710	.852	81.7	77.0	4.7	75.1	.81	82.2	85.6	SW b S	0.5					
5 „	.725	.857	81.6	77.2	4.4	75.5	.83	82.0	85.6	„	0.1					
6 „	.752	.914	80.0	76.0	4.0	74.4	.84	80.9	85.5	SW	0.1					
7 „	.771	.854	83.8	79.0	4.8	77.2	.81	83.7	85.6	SW b S	0.4					
8 „	.776	.879	85.6	79.0	6.6	76.5	.75	85.0	85.6	„	0.2					
9 „	.791	.871	87.4	80.0	7.4	77.3	.73	86.0	85.6	„	0.5					
10 „	.792	.866	88.4	80.4	8.0	77.5	.71	87.0	85.7	SSW	0.6					
11 „	.784	.839	89.0	81.0	8.0	78.2	.71	87.1	85.8	SW b S	0.7					
Noon.	.770	.781	89.0	82.0	7.0	79.6	.75	87.3	85.9	SSW	0.7				None.	
1 p. m.	.765	.829	89.8	81.0	8.8	77.9	.69	87.8	85.9	SW b S	0.7		+	1		Above 10m.
2 „	.752	.750	87.8	82.0	5.8	80.0	.79	87.0	86.0	SW b W	0.8	0.06	+	1		
3 „	.743	.791	89.2	81.2	8.0	78.4	.71	87.4	86.1	SW	0.5					
4 „	.739	.789	88.5	81.0	7.5	78.3	.75	87.3	86.1	SW b W	0.6					
5 „	.735	.831	85.0	79.0	6.0	76.8	.77	85.2	86.1	„	0.2	0.01				
6 „	.742	.822	85.0	79.4	5.6	77.3	.79	85.2	86.0	„	0.2					
7 „	.757	.846	84.4	79.0	5.4	77.0	.79	84.2	86.0	„	0.2					
8 „	.761	.877	83.0	78.0	5.0	76.1	.80	83.7	86.0	SW	0.1					
9 „	.758	.850	82.8	79.0	3.8	77.6	.85	83.3	86.0	„	0.2					
10 „	.769	.855	82.6	78.6	4.0	77.1	.84	83.0	86.0	„	0.4					
11 „	.761	.849	82.4	78.5	3.9	77.0	.85	83.0	86.0	SW b S	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇ cirri; ⌇ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ⌇ nimbi.	
5	R	⌇ scattered throughout, moving ENE; a few pieces of ⌇ above N and S hor.	
4	B	⌇ scattered about, moving ENE.	
4	B	" "	
3	B	" "	
5	B	" "	
6	C	" "	
4	C	⌇ scattered about hor., moving ENE; a few ⌇ above NE hor.	
6	C	⌇ scattered about, moving ENE.	
3	C	⌇ scattered about hor., moving ENE.	
4	R	⌇ scattered about, moving ENE.	
3	R	⌇ scattered about hor., moving ENE.	
4	R	⌇ scattered about, moving ENE.	
2	R	⌇ scattered about hor., moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°1 and 86°0.
4	B	⌇ scattered about, moving ENE.	
3	B	" "	
3	B	" "	
3	B	⌇ scattered about hor., moving ENE.	
5	C	⌇ scattered about, moving NE.	
5	C	⌇ and ⌇ scattered about, the former moving NE.	
4	C	" " "	
5	C	" " "	
7	R	" " "	
7	R	⌇ and ⌇ scattered throughout, the former moving ENE.	
4	R	⌇ scattered about, moving ENE.	
4	R	" "	
4	B	" "	
5	B	" "	
5	B	⌇ scattered about, moving NE.	
6	B	⌇ scattered about, moving NE; a few drops of rain at 4h. 56m.	
7	C	⌇ and ⌇ scattered throughout, the former moving NE.	
7	C	" " "	
7	C	Densely clouded with ⌇ and ⌇; a few drops of rain at 7h 9m.	
5	C	⌇ scattered about, moving NE.	
4	R	⌇ scattered about hor., moving NE.	
4	R	" "	
3	R	" "	
4	R	⌇ scattered about, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°1 and 86°1. Daily fall of rain by Osler's Gauge 0·07 in; at 10 A. M. barometer was 29·784, highest during the month.
3	B	" "	
2	B	⌇ scattered about hor., moving NE.	
2	B	" "	
2	B	" "	
4	C	⌇ scattered about hor.; drizzling rain at 5h. 47m., which lasted 2m.	
7	C	⌇ scattered throughout, moving NE.	
6	C	⌇ and ⌇ scattered throughout, both moving NE.	
6	C	" " "	
5	R	⌇, ⌇, and ⌇ scattered throughout, the former moving NE.	
5	R	⌇ scattered about; a few drops of rain at 10h. 22m.	
4	R	⌇ scattered about, moving ENE.	
5	R	" "	
4	B	⌇ scattered about, moving NE; light rain from 1h. 23m. to 1h. 32m.	
6	B	⌇ scattered throughout, moving NE.	
4	B	⌇ and ⌇ scattered about, the former moving NE.	
4	B	Clouded as before; light rain between 4h. 18m. and 4h. 52m.; a rain bow in E at 4h. 44m.	
4	C	⌇ and ⌇ scattered about, the former moving NE.	
5	C	" " "	
3	C	⌇ around hor.; ⌇ scattered throughout.	
2	C	⌇ scattered about hor., moving NE.	
3	R	" "	
2	R	" "	
4	R	⌇ scattered about hor., moving NE; slight drops of rain at 11h. 27m.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 3 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Ω Straws of Volta 1.	Electrical Instruments. Readings of Ω Straws of Volta 2.	Electrical Instruments. Interval of Time in the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 13th-Midnight	29.753	28.820	82·4	79·0	3·4	77·8	0.86	83·0	85.9	SW	0.2					
1 a. m.	.738	.865	82.2	77.5	4.7	75.7	.81	82.6	85.7	,,	0.6					
2 ,,	.728	.842	82.1	77.8	4.3	76·1	.83	82.5	85.6	,,	0.4					
3 ,,	.724	.829	82.0	78.0	4.0	76.5	.84	82.3	85.6	,,	0.3					
4 ,,	.731	.836	82.0	78.0	4.0	76.5	.84	82.3	85.6	SW b S	0.5					
5 ,,	.735	.836	81.6	78.0	3.6	76.6	.86	82.1	85.5	SSW	0,3					
6 ,,	.748	.853	82.0	78.0	4.0	76.5	.84	82.5	85.6	,,	0.2					
7 ,,	.763	.886	80.0	77.0	3.0	75.8	.88	81.2	85.5	SW	0.1	0.22				
8 ,,	.779	.837	83.0	79.4	3.6	78.1	.86	83.6	85.5	,,	0.2					
9 ,,	.786	.854	84.[illegible]	79.6	5.2	77.7	.80	84.6	85.5	,,	0.5		None.	None.	None.	None.
10 ,,	.785	.861	87.0	80.0	7.0	77.5	.74	86.0	85.5	,,	0.4					
11 ,,	.782	.813	88.4	81.4	7.0	79.0	.74	86.5	85.6	,,	6.5					
Noon.	.766	.823	89.2	81.0	8.2	78.1	.71	87.1	85.7	,,	0.4					
1 p. m.	.761	.816	89.8	81.2	8.6	78.2	.70	87.5	85.8	,,	0.5					
2 ,,	.746	.790	90.0	81.5	8.5	78.5	.70	87.7	85.8	,,	0.8					
3 ,,	.738	.782	90.0	81.5	8.5	78.5	.70	87.7	86.0	,,	0.5					
4 ,,	.730	.804	88.8	80.5	8.3	77.5	.70	87.3	86.1	,,	0.5					
5 ,,	.724	.771	87.5	80.8	6.7	78.4	.75	86.8	86.1	,,	0·3					
6 ,,	.729	.799	85.0	79.6	5.4	77.7	.79	85.3	86.0	,,	0.2					
7 ,,	.745	.830	84.0	79.0	5.0	77.2	.81	84.4	86.0	SSW	0.2					
8 ,,	.753	.789	83.4	80.0	3.4	78.8	.86	84.0	86.0	,,	0.3					
9 ,,	.749	.781	83.0	80.0	3.0	78·9	.88	83.5	86.0	,,	0.5					
10 ,,	.752	.826	83.0	79.0	4.0	77.5	.84	83.5	86.0	,,	0.4					
11 ,,	.749	.821	82.8	79.0	3.8	77.6	.85	83.2	86.0	,,	0.5					
June 14th-Midnight	.738	·850	82.6	78.0	4.6	76.2	.82	82.9	85.9	SW	0.6					
1 a. m.	.721	.810	82.5	78.5	4.0	77.0	.84	82.9	85.7	S b W	0.8					
2 ,,	.712	.773	81.8	79.0	2.8	78·0	.89	82.6	85.6	SSW	0.8	0.03				
3 ,,	.713	.774	81.8	79.0	2.8	78.0	.89	82.5	85.6	,,	1.0					
4 ,,	.711	.774	82.0	79.0	3.0	77.9	.88	82.6	85.5	S	1.8					
5 ,,	.717	.811	81.0	78.0	3.0	76.8	.88	82.1	85.5	S b W	0.6					
6 ,,	.733	.825	80.8	78.0	2.8	76.9	.89	81.7	85.5	S	0.4					
7 ,,	.744	.834	82.6	78.5	4.3	77.0	.84	83.0	85.6	,,	0.4					
8 ,,	.762	.814	81.8	79.3	2.5	78.3	.90	82.7	85.6	S b E	1.0					
9 ,,	.758	.794	83.4	80.0	3.4	78.8	.86	83.7	85.5	,,	0.6					
10 ,,	.763	.855	84.6	79.0	5.6	76.9	.79	84.0	85.5	,,	0.7					
11 ,,	.738	.764	86.4	81.0	5.4	79.1	.80	85.6	85.5	S b W	0.5					
Noon.	.736	.865	82.4	77.5	4.9	75.7	.81	83.0	85.5	NW	0.2	0.13				
1 p. m.	.723	.820	82.6	78.2	4.4	76.7	.83	83.0	85.5	NNW	0.1					
2 ,,	.721	.847	78.5	76.5	2.0	75.7	.92	79.5	85.4	NW	0.2	0.16				
3 ,,	.710	.882	77.4	75.0	2.4	74.0	.90	79.0	85.2	WSW	0.0	0.56	+	20	20	0.05
4 ,,	.697	.878	78.2	75.0	3.2	73.7	.87	79.6	85.1	S b W	0.1			Out of Sc.	50	0.09
5 ,,	.682	.787	79.5	77.3	2 2	76.5	.91	80.3	85.0	,,	0.4					
6 ,,	.713	.926	74.5	72.8	1.7	72.5	.93	77.9	84.9	NW	0.0	0·42	+	10	10	00·4
7 ,,	.710	.867	76.0	75.0	1.0	74.6	.96	78.1	84.7	NE b E	0.3	00.1				
8 ,,	.716	.833	77.7	76.5	1.2	76.0	.95	79.0	84.7	SE b E	0.4					
9 ,,	.716	.817	78.0	77.0	1.0	76.6	.96	79.0	84.6	SE	0.4					
10 ,,	.714	.803	78.4	77.4	1.0	77.0	.96	79.3	84.5	,,	0.2		+	1		Above 1om.
11 ,,	.700	.792	79.0	77.5	1.5	76.9	.94	79.8	84.5	SSE	0.3		+	2		
June 15th-Midnight	.690	.762	79.0	78.0	1.0	77.6	.96	80.0	84.5	SSE	0.6		+	8	8	2.00
1 a. m.	.675	.830	79.4	76.0	3.4	74.7	.86	80.0	84.3	W b N	0.5	0.01	+	2		Above 10m.
2 ,,	.657	.804	79.4	76.2	3.2	75.0	.87	80.0	84.3	WNW	0.1		+	4		3.16
3 ,,	.648	.807	79.7	76.0	3.7	74.5	.85	80.0	84.3	,,	0.3		+	3		1.00
4 ,,	.660	.817	79.9	76.1	3.8	74.6	.85	80.1	84.2	W b N	0.4					
5 ,,	.666	.791	80.2	77.0	3.2	75.8	.87	80.5	84.2	,,	0.0					
6 ,,	.678	.842	80.2	76.0	4.2	74.3	.83	80.6	84.2	W b S	0.0					
7 ,,	.681	.826	82.0	77.0	5.0	75·0	.80	82.0	84.2	,,	0.0					
8 ,,	.697	.780	83.6	79.0	4.6	77.3	.82	83.2	84.4	,,	0.2					
9 ,,	.700	.763	85.8	80.0	5.8	77.9	.78	85.7	84.5	W	0.3					
10 ,,	.698	.778	87.4	80.0	7.4	77.3	.73	85.7	84.5	W b N	0.4					
1f ,,	.685	.733	88.4	81.0	7.4	78.4	.73	86.4	84.6	W	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
4	R	scattered about, moving NE; a few drops of rain at 0h. 17m.	Mean daily temperature of ground 20 and 60 inches below its surface 86°1 and 86°2. Daily fall of rain by Osler's Gauge 0·21 in.
2	B	Masses of scattered about, moving NE.	
2	B	" "	
4	B	" "	
3	B	" "	
4	C	" "	
5	C	and scattered about, the former moving NE; light rain from 7h. 19m. to 7h. 36m.	
7	C	Densely clouded with and , the former moving NE.	
7	C	Clouded as before; a few drops of rain at 8h. 20m.	
6	R	, , and scattered about, the former moving NE.	
4	R	" " "	
6	R	scattered about, moving NE.	
4	R	scattered about hor., moving NE.	
3	B	" "	
5	B	scattered about, moving NE.	
5	B	" "	
3	B	scattered about hor., moving NE.	
5	C	scattered about, moving NE.	
5	C	A few in S and W; scattered about, moving NE.	
7	C	around hor.; scattered throughout.	
6	C	scattered throughout, moving NE.	
3	R	" "	
4	R	"	
4	R	scattered about hor., moving NE.	
3	R	scattered about hor., moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°1 and 86°2. Daily fall of rain by Osler's Gauge 1·20 in; at 6 P. M. the temperature of air was 74°5, lowest reading in the month. This was the 16th day on which the wind blew abnormally.
3	B	scattered about, moving NE; light rain from 1h. 38m. to 1h. 43m.	
4	B	scattered about, moving NE; a few drops of rain at 2h. 31m.	
4	B	scattered about, moving NNE.	
4	B	scattered about, moving NNE; a few drops of rain at 4h. 15m.	
4	C	around hor., moving NE; scattered throughout.	
3	C	around hor.; and scattered throughout.	
3	C	, , and scattered around hor.	
7	C	around hor; and scattered throughout.	
7	R	scattered thoughout, moving NNE.	
4	R	and scattered about hor., the former moving NNE.	
4	R	Clouded as before; a passing shower at 11h. 43m.; light rain from 11h. 45m. to 11h. 50m.	
8	R	Overcast with , moving NE; light rain from 12h. 20m. to 12h. 30m.	
8	B	Overcast; a passing shower of rain at 1h. 22m.; light rain from 1h. 40m. to 2h. 0m.	
8	B	Overcast with , moving ENE; light rain at 2h. 0m. and at 2h. 11m., which lasted respectively 7m. and 41m.	
8	B	Overcast; light rain 3h. 22m. to 3h. 30m.	
8	B	Overcast with , moving NE; rain commenced at 4h. 29m.	
8	C	Overcast; raining lightly.	
8	C	" "	
8	C	Overcast; rain ceased at 7h. 18m.	
8	C	and scattered throughout, the former moving NE.	
7	R	" " "	
6	R	" "	
5	R	scattered about, moving NNE	
7	R	scattered throughout, moving NE; a passing shower of rain at 0h. 14m.	Mean daily temperature of ground 20 and 60 inches below its surface 86°1 and 86°3. Daily fall of rain by Osler's Gauge 0·04 in.
7	B	scattered throughout, moving ESE; light rain from 1h. 3m. to 1h. 8m.	
4	B	scattered about, moving ESE.	
4	B	" "	
3	B	scattered about, moving E.	
5	C	scattered about, moving ENE.	
5	C	scattered about hor., moving E; scattered throughout.	
5	C	scattered about, moving ENE.	
5	C	" "	
6	R	and scattered about, the former moving ENE.	
7	R	around hor.; scattered throughout.	
5	R	scattered about, moving NE.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.	°	°	°	°		°	°		lbs.	in.		Sc. div.	Sc. div.	m. s.
June 15th-Noon.	29·672	28·736	88·6	80·7	7·9	67·9	0.72	86·5	84·7	W	0.4					
1 p. m.	.668	.757	88.2	80.0	8.2	77.0	.70	86.2	84.8	,,	0.4					
2 ,,	.657	.745	89.3	80.3	9.0	77.0	.68	86.9	84.8	,,	0.5					
3 ,,	.652	.768	88.8	79.5	9.3	76.1	.67	86.7	84.9	W b S	0.5					
4 ,,	.644	.728	88·9	80.3	8.6	77.2	.69	86.9	85.0	,,	0·6					
5 ,,	.643	.731	86.6	79.6	7.0	77.0	.74	85.6	85.1	W	0.8		None.	None.	None.	None.
6 ,,	.647	.892	84.0	75.0	9.0	71.2	.67	83.8	85.1	,,	0.3					
7 ,,	.657	.824	84.0	77.0	7.0	74.2	.73	83.8	85.0	WSW	0.2					
8 ,,	.670	.788	83.2	78.0	5.2	76.0	.80	83.2	85.0	SW b W	0.2					
9 ,,	.676	.792	83.6	78.0	5.0	76.1	.80	83.0	85.0	WSW	0.3					
10 ,,	.677	.799	81.7	77.5	4.2	75.9	.84	82.2	85.0	W	0.2	0.03				
11 ,,	.664	.786	81.7	77.5	4.2	75.9	.84	82.2	84.9	,,	0.3					
June 17th-Midnight	.605	.710	82.0	78.0	4.0	76.5	.84	82.0	84.8	SW	0.4					
1 a. m.	.589	.724	81.8	77.2	4.6	75.4	.82	82.1	84.7	,,	0.3					
2 ,,	.578	.713	81.8	77·2	4.6	75.4	.82	82.1	84.7	,,	0.5					
3 ,,	.570	·675	82.0	78.0	4.0	76.5	.84	82.1	84.7	,,	0.3					
4 ,,	.574	.710	81.9	77.2	4.7	75.4	.81	82.1	84.6	SW	0.3					
5 ,,	·580	.685	82.0	78.0	4.0	76.5	.84	82.1	84.6	,,	0.5					
6 ,,	.615	.719	80.2	77.5	2.7	76.5	·89	80.9	84.5	SSE	0.5					
7 ,,	.624	.711	80·4	78.0	2.4	77.1	.90	81.2	84.6	,,	0.2					
8 ,,	.642	·709	82.4	79.0	3·4	77.8	.86	82.8	84.6	,,	0.3					
9 ,,	.641	.715	83.0	79.0	4.0	77.5	.84	83.0	84.6	,,	0.6					
10 ,,	.640	.676	83.4	80.0	3.4	78.8	.86	83.6	84.5	S b E	0.7					
11 ,,	.640	.611	85.4	82.0	3.4	80.9	.87	84.9	84.8	S	0.8					
Noon.	.628	.632	85.9	81.4	4.5	79.8	.83	85.2	84.9	S b W	0.8	None.	None.	None.	None.	None.
1 p. m.	.621	.586	87.7	82.7	5.0	81.0	.81	86.1	85.0	,,	0.7					
2 ,,	.607	.630	88.1	81.5	6.6	79.2	.76	86.2	85.1	SW b S	0.7	None.	None.	None.	None.	None.
3 ,,	.594	·622	88.6	81.5	7.1	79.1	.74	86.6	85.1	SW b W	0.7					
4 ,,	.584	·646	87.7	80.5	7.2	77.9	.74	86.2	85.2	SW	0.5					
5 ,,	.587	.654	86.2	80.0	6.2	77.8	.77	85.1	85.3	WSW	0.2					
6 ,,	.598	.721	83.6	78.0	5.6	75.8	.78	84.0	85.2	SW	0.1					
7 ,,	.607	.721	82.8	78.0	4.8	76.1	.81	83.0	85.1	SW b S	0.1					
8 ,,	.628	.739	82.5	78.0	4.5	76.3	.82	83.0	85.1	SSW	0.2					
9 ,,	.631	.739	82.3	78.0	4.3	76.4	.83	82.7	85.1	,,	0.3					
10 ,,	.631	.696	82.2	79.0	3.2	77.8	.87	82.6	85.1	,,	0.6					
11 ,,	.623	.761	81.4	77.0	4.4	75.3	.82	82.0	85.0	,,	0.5					
June 18th-Midnight	.623	.724	81.6	78.0	3.6	76.6	.86	82.0	85.0	SSW	0.6					
1 a. m.	.609	.684	81·6	78.6	3.0	77.5	.88	82.0	85.0	S	0.5					
2 ,,	.587	.697	79.6	77.2	2.4	76.3	.91	80.8	84.8	SSE	0.8	0.01				
3 ,,	.588	.677	80.5	78.0	2.5	77.0	·90	81.0	84.8	S	1.0					
4 ,,	.592	.675	80.0	78.0	2.0	77.2	.92	81.0	84.6	SSE	0.8					
5 ,,	.608	.729	79 8	77.0	2.8	75.9	.88	80.5	84.7	,,	1.0					
6 ,,	.627	.746	79·6	77.0	2.6	76.0	.89	80 7	84.6	,,	1.2					
7 ,,	.656	.785	79.8	76.8	3.0	75.6	.88	80.6	84.6	,,	0.7					
8 ,,	.665	.767	81·7	78.0	3.7	76.6	.85	82.0	84.6	,,	0.8					
9 ,,	.687	.779	82.8	78.5	4.3	76.9	.83	83.0	84.6	,,	0.7					
10 ,,	.692	.773	83.6	79.0	4.6	77.3	.82	83.6	84.6	,,	0.7					
11 ,,	.698	·835	79.9	76.6	3.3	75.3	.86	80.6	84.7	W	0.1	0.09				
Noon.	.681	.713	83.0	80.0	3.0	78.9	.88	83.0	84.6	SW	0.2	0.02	None.	None.	None.	None.
1 p. m.	.674	.719	84·2	80.0	4.2	78.5	.84	84.2	84.6	S b W	0.6					
2 ,,	.665	.712	85.9	80.4	5.5	78.4	.79	95.1	84.6	S	0.5					
3 ,,	.649	.725	87.0	80.0	7.0	77.5	.74	85.4	84.8	SW b S	0.5					
4 ,,	.637	.735	87.1	79.5	7.6	76.7	.72	85.5	85.0	SW	0.3					
5 ,,	.634	.743	86.2	79·0	7.2	76.3	.73	85.0	85.0	SW b W	0.1					
6 ,,	.655	.770	84.4	78.4	6.0	76.1	.77	84.0	85·0	SW	0.2					
7 ,,	.668	.786	83.2	78.0	5.2	76.0	.80	83.2	84.9	SW b S	0.2					
8 ,,	·688	.762	83.0	79.0	4.0	77.5	.84	83.0	84.9	,,	0.4					
9 ,,	.710	.823	82.7	78.0	4.7	76.2	.82	82.9	84.9	SW	0.1					
10 ,,	.732	.846	82.8	78.0	4.8	76.1	.81	82.6	84 9	SW b S	0.1					
11 ,,	.722	·789	82 4	79.0	3·4	77·8	.86	82,5	84.9	,,	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒⌣ cumulo-strati; and ≀⌣ nimbi.	
7	R	≀⌣ and ≀ scattered about, the former moving NE.	
7	B	≀⌣ scattered about, moving ENE.	
6	B	≀⌣ and ≀ scattered about, the former moving ENE.	
5	B	≀⌣ and ≀ scattered about, the former moving E.	
5	B	" " "	
7	B	≀⌣ scattered throughout, moving E; a few drops of rain at 5h. 6m.	
7	B	≀⌣ scattered throughout, moving E.	
5	B	≀⌣, ≀≀, and ≀ scattered about, the former moving ENE.	
5	B	≀⌣ scattered about, moving ENE.	
6	B	≀⌣ scattered about, moving ENE; light rain from 9h. 7m. to 9h. 12m.	
3	B	≀⌣ around hor.; ≀ scattered about.	
4	B	≀⌣ and ≀ scattered about, the former moving E.	
8	R	Overcast with ≀⌣ and ≀≀, the former moving NE; a few stars dimly visible.	Mean daily temperature of ground 20 and 60 inches below its surface 85°6 and 86°1.
8	B	Overcast with ≀⌣, moving NE; a few stars dimly visible.	
8	B	" " "	
8	B	Overcast with ≀⌣, moving ENE.	
8	B	" "	
8	C	" "	
8	C	Overcast with ≀⌣ and ≀≀, the former moving ENE.	
8	C	" " "	
8	C	" " "	
7	R	≀⌣ around hor.; ≀ and ≀≀ scattered throughout.	
7	R	≀⌣ around hor., moving NE; ≀ scattered throughout.	
6	R	" " "	
7	R	≀⌣ and ≀ scattered thoughout, the former moving N; a few patches of ≀≀ about zenith.	
6	B	≀⌣ and ≀ scattered about, the former moving NE.	
6	B	" " "	
6	B	" " "	
7	B	" " "	
7	C	" " "	
7	C	≀⌣ around hor.; ≀ scattered throughout.	
6	C	≀⌣ around hor.; ≀ and ≀≀ scattered throughout.	
6	C	≀⌣ around hor.; ≀ scattered throughout.	
4	R	≀⌣ and ≀ scattered about, the former moving NE.	
6	R	≀⌣ scattered about, moving N.	
2	R	≀⌣ and ≀ scattered about, the former moving NNE.	
8	R	Overcast with ≀⌣ and ≀, the former moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°5 and 86°0. Daily fall of rain by Osler's Gauge 0·15 in.
8	B	Overcast; light rain at 1h. 33m., which lasted 2m.	
5	B	≀⌣ scattered about, moving NE.	
5	B	≀⌣ scattered about, moving NNE; drizzling rain at 3h. 54m., which lasted 2m.	
6	B	≀⌣ scattered throughout, moving N.	
7	C	≀⌣ and ≀ scattered thoughout, the former moving NE; drizzling rain at 5h. 30m., which lasted 3m.	
7	C	≀⌣ and ≀ scattered throughout, the former moving NE.	
8	C	" " "	
7	C	" " "	
7	R	≀⌣ and ≀ scattered throughout, the former moving NE; a few drops of rain at 9h. 20m.	
8	R	≀⌣ and ≀ scattered throughout, the former moving ENE; rain commenced at 10h. 53m.	
8	R	Overcast; rain ceased at 11h. 9m.	
8	R	Overcast; no rain.	
6	B	≀⌣ around hor.; ≀ and ≀≀ scattered about.	
6	B	≀⌣, ≀≀, and ≀ scattered about, the former moving NE.	
5	B	" " "	
5	B	" " "	
5	C	≀⌣ and ≀ scattered about, the former moving NE.	
4	C	≀⌣, ≀≀, and ≀ scattered about, the former moving NE.	
4	C	≀⌣ scattered about, moving NE.	
4	C	" "	
7	R	≀⌣ scattered around hor.; ≀ and ≀≀ scattered about; a partial lunar-halo.	
8	R	Overcast with ≀⌣ and ≀≀, the former moving NNE.	
6	R	≀⌣ and ≀ scattered about, the former moving NNE.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 19th-Midnight	29.717	28.782	82°2	79°0	3°2	77°8	0.87	82°5	84°9	SW b S	0.1					
1 a. m.	.700	.832	81.6	77.2	4.4	75.5	.83	82.2	84.8	,,	0.3					
2 ,,	.689	.781	81.6	78.2	3.4	76.9	.86	82.2	84.7	SW	0.1					
3 ,,	.680	.778	81.4	78.0	3.4	76.7	.86	82.0	84.7	SW	0.3					
4 ,,	.677	.756	81.1	78.4	2.7	77.4	.89	81.8	84.6	S b W	0.2					
5 ,,	.695	.770	80.0	78.2	1.8	77.5	.92	81.0	84.6	SSE	0.0	0.10				
6 ,,	.707	.769	80.0	78.5	1.5	77.9	.94	81.0	84.7	,,	0.4					
7 ,,	.723	.761	81.2	79.4	1.8	78.7	.92	82.0	84.7	,,	0.3					
8 ,,	.725	.771	82.8	79.6	3.2	78.5	.87	83.1	84.7	,,	0.3					
9 ,,	.726	.768	83.9	80.0	3.9	78.6	.85	83.9	84.8	,,	0.4					
10 ,,	.726	.737	85.0	81.0	4.0	79.6	.84	84.6	84.9	SSE	0.5					
11 ,,	.718	.724	86.6	81.5	5.1	79.8	.81	85.4	85.0	S	0.4		None.	None.	None.	None.
Noon.	.714	.722	87.1	81.6	5.5	79.7	.80	86.0	85.1	SSW	0.5					
1 p. m.	.709	.730	85.2	80.8	4.4	79.3	.83	85.0	85.1	SW b S	0.5					
2 ,,	.686	.727	88.6	81.2	7.4	78.6	.73	86.3	85.2	SW b W	0.6					
3 ,,	.676	.724	88.4	81.0	7.4	78.4	.73	86.5	85.3	WSW	0.7					
4 ,,	.666	.719	88.8	81.0	7.8	78.2	.72	86.8	85.3	,,	0.5					
5 ,,	.663	.712	86.5	80.5	6.0	78.4	.78	86.0	85.3	,,	0.2					
6 ,,	.672	.723	84.7	80.0	4.7	78.3	.82	85.0	85.2	W	0.1					
7 ,,	.707	.763	83.7	79.6	4.1	78.1	.84	83.9	85.2	,,	0.2					
8 ,,	.728	.818	83.0	78.6	4.4	77.0	.83	83.5	85.2	W b S	0.1					
9 ,,	.744	.818	83.0	79.0	4.0	77.5	.84	83.0	85.2	,,	0.2					
10 ,,	.753	.808	82.8	79.4	3.4	78.2	.86	83.0	85.2	WSW	0.1					
11 ,,	.730	.758	82.6	80.0	2.6	79.1	.89	83.0	85.2	,,	0.1					
June 20th-Midnight	.716	.783	82.4	79.0	3.4	77.8	.86	83.0	85.2	WSW	0.1					
1 a. m.	.706	.752	81.9	79.4	2.5	78.5	.90	82.4	85.1	SW b S	0.3					
2 ,,	.683	.735	81.0	79.0	2.0	78.3	.92	82.0	85.0	,,	0.2	0.05				
3 ,,	.675	.727	81.0	79.0	2.0	78.3	.92	82.0	85.0	WSW	0.2					
4 ,,	.675	.743	81.0	78.6	2.4	77.7	.90	82.0	85.0	,,	0.3			Out of Sc.	80	Instantly.
5 ,,	.679	.728	80.7	79.0	1.7	78.4	.93	81.2	85.0	,,	0.1					
6 ,,	.690	.731	80.7	79.2	1.5	78.6	.94	81.6	85.0	SSW	0.1					
7 ,,	.706	.731	82.4	80.0	2.4	79.2	.90	82.8	85.0	S	0.6					
8 ,,	.729	.746	82.4	80.2	2.2	79.4	.91	82.9	85.0	SSE	0.5					
9 ,,	.738	.792	81.2	79.0	2.2	78.2	.91	82.9	85.0	,,	0.6					
10 ,,	.742	.812	78.8	78.0	0.8	77.7	.97	81.0	84.9	S	0.2	0.46				
11 ,,	.729	.825	81.2	78.0	3.2	76.8	.87	82.0	84.9	,,	0.1	0.01				
Noon.	.715	.789	83.0	79.0	4.0	77.5	.84	83.2	85.0	SW b S	0.2					
1 p. m.	.695	.743	83.0	79.6	3.4	78.4	.86	83.0	84.9	WSW	0.0					
2 ,,	.682	.743	83.3	79.5	4.3	78.0	.83	83.5	84.9	SW	0.2					
3 ,,	.658	.681	83.8	80.4	3.4	79.2	.86	83.9	84.9	SW b S	0.2					
4 ,,	.644	.690	84.3	80.0	4.3	78.5	.83	84.0	84.9	,,	0.2					
5 ,,	.636	.701	82.2	79.0	3.2	77.8	.87	82.9	85.0	WSW	0.1					
6 ,,	.645	.697	81.0	79.0	2.0	78.3	.92	82.0	85.0	SW b S	0.1	0.02	+	Out of Sc.	50	Instantly.
7 ,,	.666	.726	81.7	79.0	2.7	78.0	.89	82.0	84.8	SSW	0.1					
8 ,,	.681	.735	81.2	79.0	2.2	78.2	.91	81.9	84.6	SW b S	0.2					
9 ,,	.691	.780	80.5	78.0	2.5	77.0	.90	81.7	84.8	W b S	0.2					
10 ,,	.703	.819	79.4	77.0	2.4	76.1	.90	80.7	84.7	SSW	0.1	0.01				
11 ,,	.695	.743	78.8	78.5	0.3	78.4	.99	79.5	84.6	SSE	0.2	0.42	+	2		
June 21st-Midnight	.675	.709	79.4	79.0	0.4	78.9	.98	80.2	84.5	SSE	0.1	0.01				
1 a. m.	.655	.734	79.6	78.0	1.6	77.4	.93	80.3	84.5	,,	0.2					
2 ,,	.628	.701	79.8	78.2	1.6	77.6	.93	80.6	84.4	,,	0.3					
3 ,,	.623	.735	79.0	77.0	2.0	76.2	.92	80.1	84.4	,,	0.0					
4 ,,	.622	.734	79.0	77.0	2.0	76.2	.92	80.0	84.3	,,	0.4					
5 ,,	.626	.698	79.0	78.0	1.0	77.6	.96	80.1	84.3	,,	0.2		None.	None.	None.	None.
6 ,,	.657	.821	76.0	74.8	1.2	74.3	.95	77.8	84.1	,,	0.0	0.46				
7 ,,	.666	.798	76.2	75.7	0.5	75.5	.98	78.0	84.1	,,	0.0	0.63				
8 ,,	.667	.753	78.5	77.5	1.0	77.1	.96	79.3	84.0	,,	0.1					
9 ,,	.672	.734	80.8	78.7	2.1	77.9	.91	81.0	84.0	,,	0.2					
10 ,,	.673	.746	81.0	78.5	2.5	77.6	.90	81.4	84.0	,,	0.1					
11 ,,	.673	.706	82.0	79.7	2.3	78.9	.91	82.2	84.2	,,	0.6					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these *Observations, the Symbols used to denote* the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
7	R	and scattered about, the former moving N; a few drops of rain at 0h. 49m.	Mean daily temperature of ground 20 and 60 inches below its surface 85°4 and 85°9. Daily fall of rain by Osler's Gauge 0·12 in.
7	B	around hor.; and scattered throughout.	
5	B	" " "	
4	B	and scattered about, the former moving NE.	
5	B	Clouded as before; rain commenced at 4h. 56m.	
8	C	Overcast; rain ceased at 5h. 22m.	
8	C	around hor.; scattered throughout.	
7	C	" "	
7	C	" "	
7	R	around hor., moving NE; scattered throughout.	
6	R	around hor., moving NE; scattered throughout.	
6	R	around hor., moving NNE; scattered throughout.	
7	R	and scattered throughout, the former moving NE; rain at 12h. 51m., which lasted 2m.	
6	B	A few above E hor.; scattered about, moving NE.	
5	B	and scattered about, the former moving ENE.	
4	B	" " "	
5	B	and scattered about, the former moving E.	
8	C	Overcast with , and , the former moving ENE.	
7	C	A few about zenith; and scattered throughout.	
7	C	and scattered about, the former moving ENE.	
8	C	Overcast with and , the former moving ENE.	
8	R	" " "	
8	R	" " "	
8	R	" " "	
8	R	Overcast with and , the former moving NNE; rain from 0h. 31m. to 0h. 41m.	Mean daily temperature of ground 20 and 60 inches below its surface 85°3 and 85°9. Daily fall of rain by Osler's Gauge 0·93 in. This was the 17th day on which lightning was observed after sunset.
8	B	Overcast with , moving NE; *light* rain now and then.	
8	B	Overcast; a passing shower of rain at 2h. 44m., which lasted 2m.	
8	C	Overcast; thunder and lightning about zenith at 3h. 34m.	
8	C	Overcast with , moving NE.	
8	R	" "	
8	R	" "	
7	B	scattered thoughout, moving NE.	
8	B	Overcast; rain commenced at 8h. 39m.	
8	C	Overcast; raining lightly.	
8	C	Overcast; rain ceased at 10h. 18m., but recommenced at 10h. 50m., which lasted 8m.	
8	R	Overcast; no rain.	
8	R	Overcast with , moving ENE; rain at 12h. 54m., which lasted 7m.	
8	B	Overcast; no rain.	
8	B	" "	
8	C	" "	
8	C	Overcast with , moving NE.	
8	R	Overcast; rain at 5h. 29m., which lasted 6m.	
8	R	Overcast; no rain.	
8	B	" "	
8	B	Overcast with , moving ENE.	
8	C	Overcast with , moving E; rain from 9h. 12m. to 9h. 39m.	
8	C	Overcast; rain from 10h. 8m. to 10h. 59m.	
8	R	Overcast; rain from 11h. 0m. to 11h. 10m.; a hallow round the moon at 11h. 30m.	
8	R	Overcast with and , the former moving NE; a partial lunar-halo.	Mean daily temperature of ground 20 and 60 inches below its surface 85°3 and 85°9. Daily fall of rain by Osler's Gauge 1·18 in.
8	B	Overcast; rain from 1h. 1m. to 1h. 12m., and a passing shower of rain at 1h. 49m.	
8	B	Overcast with , moving ENE.	
8	B	Overcast with , moving E.	
7	B	Densely clouded with , moving E.	
8	C	Overcast with and , the former moving E; rain commenced at 5h. 18m.	
8	C	Overcast; raining lightly.	
8	C	Overcast; rain ceased at 7h. 47m.	
8	C	Overcast; no rain.	
8	R	Overcast; rain from 9h. 0m. to 9h. 30m.	
8	R	Overcast; no rain.	
8	R	Overcast with and , the former moving NNE.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straw of Volta 1.	Electrical Instruments. Readings of Straw of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 21st-Noon.	29.658	28.705	83·2	79·7	3·5	78·4	0.86	83·0	84·1	SSE	0.4					
1 p. m.	.641	.764	83.6	78.0	5.6	75.8	.78	83.0	84.2	SW b W	0.5					
2 „	.611	.718	83.3	78.3	5.0	76.4	.80	82.6	84.2	WSW	0.3					
3 „	.596	.676	84·7	79.3	5.4	77.3	.79	83.4	84.3	„	0.2		+	1		Above 10m.
4 „	.591	.664	84.9	79.5	5.4	77.6	.79	83.8	84.4	„	0.1		+ +	1		Above 10m.
5 „	.588	.679	83.8	78.8	5.0	76.9	.80	83.3	84.4	„	0.1		+ +	1	None.	Above 10m.
6 „	.605	.681	81.3	78.5	2.8	77.4	.88	82.0	84.4	„	0.5		+	1		Above 10m.
7 „	.622	.758	78·4	76.2	2.2	75.4	.91	79.8	84.3	„	0.4	0.20				
8 „	.634	.761	78.2	76.4	1.8	75.7	.92	79.5	84.2	„	0.6					
9 „	.656	.766	78.8	77.0	1.8	76.3	.92	79.6	84.2	„	0.1					
10 „	.668	.749	79.8	78.0	1.8	77.3	.92	80.0	84.1	„	0.6					
11 „	.658	.790	79.0	76.5	2.5	75.5	.90	79.7	84.2	„	0.8					
June 22nd-Midnight	.632	.744	79·0	77.0	2.0	76.2	.92	79.7	84.0	WSW	0.5					
1 a. m.	.622	.708	80.2	78.0	2.2	77.1	.91	80.5	84.1	„	0.8					
2 „	.603	.698	80.0	77.7	2.3	76.8	.90	80.4	84.0	„	0.8					
3 „	.586	.704	80.3	77.2	3.1	76.0	.87	80.5	84.0	„	0.5					
4 „	.592	.680	80·4	78.0	2.4	77.0	.90	80.8	84.0	„	0.2					
5 „	.680	.688	80.4	78.0	2.4	77.0	.90	80.9	84.0	„	0.1					
6 „	.622	.714	80.7	78.0	2.7	76.9	.89	81.1	84.0	„	0.0					
7 „	.640	.731	81.8	78.3	3.5	76.9	.86	81.9	84.0	„	0.0					
8 „	.647	.706	84.0	79.6	4.4	78.0	.83	83.2	84.1	„	0·0					
9 „	.656	.709	83.8	79.7	4.1	78.2	.84	83.2	84.2	„	0.3					
10 „	.664	.756	79.0	77.5	1.5	76.9	.94	80.1	84.0	„	0.1	0.25				
11 „	.659	.680	84.3	80.6	3.7	79.3	.85	83.2	84.1	„	0.2	0·01				
Noon.	.650	.784	81.0	77.0	4.0	75·4	.84	81.2	84·2	„	0.3	0.01	None.	None.	None.	None.
1 p. m.	.644	.761	81.6	77.6	4.0	76.0	·84	81.5	84.2	SW b W	0.2					
2 „	.634	.776	82.1	77·1	5.0	75.1	.80	82.0	84.2	WSW	0.7					
3 „	.602	.692	80.6	78.0	2.6	77.0	·89	81.8	84.1	SW b S	0.1	0.02				
4 „	.596	.663	82.4	79.0	3.4	77.8	.86	82.3	84.1	„	0.1					
5 „	.598	.710	82.6	78.0	4.6	76.2	.82	82·5	84.1	„	0.3					
6 „	.608	.728	81.6	77.5	4.1	75.9	.84	82.0	84.1	SSW	0.3					
7 „	.612	.731	79.6	77.0	2.6	76.0	.89	80.8	84.1	„	0.2					
8 „	.631	.714	80.0	78.0	2.6	77.2	.92	80.7	84.1	S b W	0.2					
9 „	.662	.811	79.6	76.2	3·4	74.9	.86	80.4	84.0	SSW	0.3					
10 „	.662	.752	80·6	78.0	2.6	77.0	.89	81.0	84.0	S b W	0.1					
11 „	.666	.769	80.0	77.5	2.5	76.5	.90	80.5	84.0	WSW	0.2					
June 24th-Midnight	.720	.847	80.4	77.0	3.4	75.7	.96	80.5	83.8	SW	0.2					
1 a. m.	.702	.795	80.2	77.8	2.4	76.9	.90	80.4	83.7	S	0.2					
2 „	.689	.775	80.3	78.0	2.3	77.1	·90	80.5	83.7	„	0.2					
3 „	.676	.771	79.6	77.6	2.0	76.8	.92	80.1	83.6	SSE	0.5					
4 „	.674	.769	79.6	77.6	2.0	76.8	.92	80.1	83.6	SE	0.1					
5 „	.680	.773	79.4	77.6	1.8	76.9	.92	80.0	83.6	„	0.5					
6 „	.700	.812	79.0	77.0	2.0	76.2	.92	80.3	83.5	„	0.2	0.01				
7 „	.722	.798	79.7	78.0	1.7	77.3	.93	80.7	83.6	„	0.1					
8 „	.730	.770	81.4	79.4	2.0	78.7	.92	81.5	83.7	„	0.2					
9 „	.739	.787	83.0	79.6	3.4	78.4	.86	83.0	83.8	„	0.4					
10 „	.749	.823	83.0	79.0	4.0	77.5	·84	83.0	83.9	„	0.5					
11 „	.734	.762	84.6	80.5	4.1	79.1	.84	83.9	83.9	„	0.5					
Noon.	.722	.737	85.4	81.0	4.4	79.5	83	84.5	84.0	S	0.2					
1 p. m.	.710	.765	85.8	80.2	5.6	78.2	.79	84.9	84.0	SSW	0.5					
2 „	.686	.741	85.8	80.2	5.6	78.2	.79	84.8	84.0	W b S	0.2		+	10	10	0.46
3 „	.677	.750	84.9	79.5	5.4	77.6	.79	84.1	84.1	WSW	0.1		+	3		1.26
4 „	.662	.759	83.6	78.6	5.0	76.7	.81	83.3	84.2	W b S	0.5					
5 „	.639	.715	83.2	79.0	4.2	77·5	.83	83.0	84.2	W b N	0.1		+	1		3.30
6 „	.665	.739	83.0	79.0	4.0	77.5	.84	83.0	84.2	W b S	0.1					
7 „	.680	.782	81.7	78.0	3.7	76.6	.85	82.0	84.2	WSW	0.1					
8 „	.703	.803	81.5	78·0	3.5	76.6	.86	82.0	84.2	„	0.1					
9 „	.719	.778	81.6	79.0	2.6	78·0	.87	82.0	84.2	„	0.1					
10 „	.728	.780	81·0	79.0	2.0	78.3	.92	81·5	84.2	„	0.1					
11 „	.723	.814	80.7	78.0	2.7	76.9	.89	81.0	84.2	„	0.1		+	3		Instantly.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		NOTE.—In recording these Observations, the Symbols used to denote the clouds are: ⌇ cirri; ⌇⌒ cirro-cumuli; ⌒ cumuli; ⌇⌒ cirro-strati; ⌒⌇ cumulo-strati; and ⌇⌒ nimbi.	
8	R	Overcast with ⌇⌒, moving ENE.	
8	B	" "	
7	B	Densely clouded with ⌇⌒ and ⌇⌒, the former moving E; light rain from 2h. 12m. to 2h. 20m.	
7	B	Clouded as before; no rain.	
7	B	⌇⌒ and ⌇⌒ scattered throughout, the latter moving W.	
8	C	Overcast with ⌇⌒, moving NE.	
8	C	Overcast; light rain at 6h. 0m., which lasted respectively 9, and 18m.	
8	C	Overcast with ⌇⌒ and ⌇⌒, the former moving ENE.	
8	C	" " "	
8	R	" " "	
8	R	Overcast with ⌇⌒, moving NE; a few drops of rain between 10h. 10m. and 10h. 20m.	
8	R	Overcast with ⌇⌒ and ⌇⌒, the former moving E.	
8	R	Overcast with ⌇⌒, moving E; drizzling rain from full hour to 0h. 8m.	Mean daily temperature of ground 20 and 60 inches below its surface 85°2 and 85°9. Daily fall of rain by Osler's Gauge 0·33 in.
8	B	Overcast; a lunar-halo; a few drops of rain at 1h. 16m., and at 1h. 44m.	
8	B	Overcast; no rain.	
8	B	Overcast; a few stars dimly visible.	
8	B	Overcast with ⌇⌒ and ⌇⌒, the former moving E.	
8	C	Overcast.	
8	C	"	
8	C	"	
7	C	Densely clouded with ⌇⌒, moving E.	
7	R	Densely clouded with ⌇⌒, ⌇⌒, and ⌇, the former moving E; light rain from 9h. 28m. to 0h. 54m.	
7	R	Densely clouded with ⌇⌒, moving E; a slight shower of rain at 10h. 14m., which lasted 5m.	
8	R	Overcast; slight rain at 11h. 50m., which ceased at 11h. 55m.	
8	R	Overcast; slight rain between 12h. 0m. and 12h. 8m.	
8	B	Overcast; no rain.	
8	B	Overcast; rain between 2h. 8m. and 2h. 14m.	
8	B	Overcast with ⌇⌒, moving ENE.	
8	B	Overcast with ⌇⌒ and ⌇⌒, the latter moving W.	
7	R	Densely clouded with ⌇⌒ and ⌇⌒, the latter moving W.	
7	R	⌇⌒ around hor., moving N; ⌇ and ⌇⌒ scattered throughout; slight rain between 6h. 30m. and 6h. 34m.	
7	R	Clouded as before; no rain.	
7	R	Densely clouded with ⌇⌒, ⌇⌒, and ⌇, the former moving NE.	
8	R	Overcast with ⌇⌒, moving E.	
8	R	Overcast with ⌇⌒, moving NE; slight rain between 10h. 12m. and 10h. 16m.	
8	R	Overcast; no rain.	
8	R	Overcast in two strata, the lower stratum of ⌇⌒, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°0 and 85°9. Daily fall of rain by Osler's Gauge 0·01 in. This was the 18th day on which lightning was observed after sunset.
8	B	Overcast with ⌇⌒ and ⌇⌒, the latter moving NE.	
8	B	Overcast; drizzling rain from 2h. 42m. to 2h 54m.	
8	B	Overcast with ⌇⌒, moving ENE.	
8	B	Overcast with ⌇⌒, moving E.	
8	C	Overcast; drizzling rain from 5h. 5m. to 5h. 22m.; thunder in zenith at 5h. 33m.	
8	C	Overcast with ⌇⌒ and ⌇, the former moving E.	
7	C	Densely clouded with ⌇⌒ and ⌇, the former moving ENE.	
6	C	" " "	
7	R	" " "	
8	R	Overcast with ⌇⌒ and ⌇, the former moving ENE.	
8	R	" " "	
7	R	⌇⌒ and ⌇⌒ scattered throughout, the former moving NE; a solar-halo observed at 12h. 5m.	
7	B	Densely clouded with ⌇⌒, ⌇⌒, and ⌇, the former moving NE.	
7	B	Clouded as before, but the motion of clouds was E.	
7	B	⌒⌇ around hor.; ⌇, ⌇⌒, and ⌇⌒ scattered throughout, the last moving E.	
7	B	" " "	
7	C	" " "	
7	C	" " "	
8	C	Overcast; lightning in E every 4m. after 7h. 4m.	
8	C	Overcast; continuous lightning in E hor. [at 9h. 30m.	
8	R	Overcast with ⌇⌒, moving NE; lightning in NE hor.; slight rain at 9h. 7m., which ceased at 9. 20m., but recommenced	
8	R	Overcast; rain ceased at 10h. 20m., but recommenced at 10h. 52m. [at 11h. 52m.	
8	R	Overcast with ⌇⌒, moving E; rain ceased at 11h. 48m., but recommenced at 11h 48m.; lightning and thunder in NE.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in seconds between the two preceding discharges of the Electrometer after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 25th-Midnight	29.722	28.834	79°0	77°0	2°0	76°2	0·92	80°0	84°1	SSW	0.1	0.05				
1 a. m.	.697	.817	78·3	76.6	1.7	75.9	.93	79.8	84.0	S b W	0.2	0.03				
2 „	.684	.794	78.6	77.0	1.6	76.4	.93	80.0	84.0	SW	0.1					
3 „	.684	.816	78.0	76.2	1.8	75.5	.92	79.2	83.9	W b N	0.1					
4 „	.688	·811	78.2	76·5	1.7	75.8	.93	79.2	83.7	WNW	0.0					
5 „	.702	·807	78.4	77.0	1.4	76.5	.94	79.6	83.7	„	0.0					
6 „	.734	·843	76.6	76.4	0.2	76.3	.99	78.1	83.6	NW b N	0·0	0.60				
7 „	.741	.852	76.8	76.4	0.4	76.3	.98	78.6	83.5	NW	0.0	0.35				
8 „	.748	·853	78.4	77.0	1.4	76.5	.94	79.3	83.6	„	0.0	0.01				
9 „	.761	.811	80.8	79.0	1.8	78.3	.93	81.0	83.7	„	0.0	0.01				
10 „	.759	·826	82.4	79.0	3.4	77.8	.86	82·0	83.7	NW b N	0.2		None.	None.	None.	None.
11 „	·727	·784	83.8	79.6	4.2	78.1	.84	83.0	83.7	NW	0.2					
Noon.	.707	·761	85.0	80.0	5.0	78.3	.81	83.5	83.8	WSW	0.2					
1 p. m.	.699	·718	86.6	81.2	5.4	79.3	.80	84.2	83·9	W	0·2					
2 „	.682	.780	87.1	79.5	7.6	76.7	.72	84.8	83.9	W b N	0.4					
3 „	·664	.745	84.4	79.2	5.2	77.3	.80	83.5	84.0	WNW	0.2					
4 „	·646	.723	84·4	79.3	5.1	77.4	.80	83.4	84.1	„	0.2					
5 „	.639	.716	83.3	79.0	4.3	77.4	.83	83.0	84.1	W	0.1					
6 „	.660	.749	82.5	78.5	4.0	77.0	.84	82.6	84.0	„	0.0					
7 „	.676	·781	82.0	78.0	4.0	76.5	.84	82.1	84.0	„	0.2					
8 „	.679	.742	82.0	79.0	3.0	77.9	.88	82.0	84.0	„	0.1					
9 „	·687	·717	81.7	79.7	2.0	79.0	.92	82.0	84.0	WSW	0.0					
10 „	.703	.774	81.2	78.6	2.6	77.6	.89	81.5	84.1	W b N	0.0					
11 „	·701	.772	81.2	78.6	2.6	77.6	.89	81.5	84.1	WNW	0.5					
June 26th-Midnight	.693	.747	81.2	79.0	2.2	78.2	.91	81.4	84.0	W b S	0.2					
1 a. m.	.679	.773	81.0	78.0	3.0	76·8	·88	81.4	84.0	„	0.1					
2 „	.659	.745	81.0	78.2	2.8	77.1	.89	81·4	84.0	„	0.0					
3 „	.652	.708	80.6	78.8	1.8	76.8	.93	81.2	84.0	S	0.0					
4 „	.646	.694	80.6°	79·0	1.6	77.4	.93	81.2	84.0	S b E	0.1					
5 „	.652	.708	80.2	78.7	1.5	78.1	.94	81.0	84.0	„	0.2					
6 „	.656	.739	80.0	78.0	2.0	77.2	.92	80.9	83·9	„	0.0					
7 „	.669	.719	81.6	79.2	2.4	78.3	.90	81.9	84.0	„	0.0					
8 „	.682	.710	82.6	80.0	2.6	79.1	.90	82.6	84.0	S	0.2					
9 „	.691	.718	82.5	80.0	2.5	79.1	.90	82.5	84.0	S b E	0.5					
10 „	.698	.776	79.8	78.0	1.8	77.3	.93	80.5	84.0	NW	0.5					
11 „	.686	.727	80.0	79.0	1.0	78.6	.96	80.8	84.0	W	0.2	0.30	None.	None.	None.	None.
Noon.	.678	.768	80.6	78.0	2.6	77.0	.89	81.5	84.0	SSW	0.5	0.10				
1 p. m.	.666	.756	80.6	78.0	2.6	77.0	.89	80.8	84.0	W b N	0.5	0.10				
2 „	.642	.740	78.6	77.3	1.3	76.7	.95	79.2	83.9	WNW	0.7	.0.05				
3 „	.621	.730	79.8	77.3	2.5	76.3	.90	80.3	83.9	W b S	0.2	0.06				
4 „	.611	.694	80.0	78.0	2.0	77.2	.92	80.5	83.9	SW b W	0.1					
5 „	.621	.704	80.0	78.0	2.0	77.2	.92	80.7	83.9	W	0.1					
6 „	.625	.743	78.5	77.0	1.5	76.0	.90	80.3	83.8	WSW	0.1					
7 „	.637	·713	79.4	78.0	1.4	77.5	.94	80.1	83.8	„	0·0					
8 „	.633	.707	79.2	78.0	1.2	77.5	.95	80.1	83 8	„	0·0					
9 „	.636	.694	79.2	78.4	0.8	78.6	.97	80.1	83.7	„	0.0					
10 „	.644	.704	79.4	78.4	1.0	78.0	.96	80.1	83.7	„	0.0					
11 „	.636	.684	79.9	78.8	1.1	78.4	.95	80.2	83.7	S b W	0.5					
June 27th-Midnight	·618	.674	79.5	78.5	1.0	78.1	.96	80.1	83.7	S	0.1					
1 a. m.	.602	.683	79.8	78.0	1.8	77.3	.93	80.2	83.6	„	0.1					
2 „	.594	.675	79.8	78.0	1.8	77.3	.93	80·2	83.5	„	0.0					
3 „	.578	.654	79.4	78.0	1.4	77.5	.94	80.0	83·5	„	0.3	0.05				
4 „	.574	.686	79.0	77.0	2.0	76·2	.92	79.6	83.5	S b E	0.2		None.	None.	None.	None.
5 „	.578	.683	78.4	77.0	1.4	76.5	.94	79.5	83.5	„	0.2					
6 „	.598	.684	78.8	77.6	1.2	77.1	.95	79.9	83.5	„	0.1					
7 „	.618	.767	79.2	76.1	3.1	74.9	.87	80·1	83.5	„	0.3					
8 „	.624	.705	79.8	78.0	1.8	77.3	.93	80.2	83.5	ENE	0.2					
9 „	.626	.682	79.5	78.5	1.0	78.1	.96	80.2	83.5	„	0.3	0.06				
10 „	.622	.678	81.4	79.0	2.4	78.1	.90	81.5	83.5	„	0.1	0.07				
11 „	.610	.640	82.8	80.0	2.8	79.0	.89	82.4	83.5	W	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Nota.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒≀ cumuli; ⌣≀ cirro-strati; ⌒≀ *cumulo-strati*; and ≀≀ nimbi.	
8	R	Overcast with ≀≀, moving NE; thunder in SE at 0h. 5m.; rain ceased at 0h. 25m.	Mean daily temperature of ground 20 and 60 inches below its surface 85°0 and 86°0. Daily fall of rain by Osler's Gauge 1·06 in.
8	B	Overcast with ≀≀, moving ENE.	
8	B	" "	
8	B	Overcast with ≀≀, moving E; slight rain from 3h. 34m. to 3h. 48m.	
8	B	Overcast; no rain.	
8	C	Overcast; thunder in W. at 5h. 24m; raining slightly.	
8	C	Overcast; raining lightly; thunder in S of zenith at 6h. 32m.	
8	C	Overcast; raining lightly.	
8	C	Overcast; rain ceased at 8h. 35m.	
8	R	Overcast; no rain.	
7	R	Densely clouded with ≀≀ and ≀≀, the former moving SE; a partial solar-halo.	
7	R	≀≀ around hor., moving ENE; ≀≀ and ≀ scattered about, the former moving N.	
5	R	⌒≀ and ⌣≀ around hor.; ≀ and ≀≀ scattered throughout.	
5	B	⌒≀ along E hor.; ≀ scattered throughout.	
6	B	" " "	
7	B	" " "	
7	B	⌒≀ along E hor.; ≀ and ≀≀ scattered throughout, the latter moving E.	
8	C	Overcast with ≀≀ and ≀, the former moving ENE.	
8	C	" " "	
8	C	" " "	
8	C	Overcast; slight drops of rain from 8h. 35m.	
8	R	Overcast; rain ceased at 9h. 5m.	
8	R	Overcast with ≀≀, moving NE.	
8	R	" "	
8	R	Overcast; slight drops of rain from 0h. 2m. to 0h. 5m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°9 and 86°0. Daily fall of rain by Osler's Gauge 0·71 in. This was the 19th day on which lightning was observed after sunset.
8	B	Overcast; no rain.	
8	B	Overcast; slight drops of rain between 2h. 0m. and 2h. 20m.	
8	B	Overcast; rain at 3h. 3m., and at 3h. 50m., which lasted 20m.	
8	B	Overcast; drops of rain ceased at 4h. 10m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	C	Overcast; drops of rain between 8h. 9m. and 8h. 22m.	
8	R	Overcast; no rain.	
8	R	Overcast; rain commenced at 10h. 0m.	
8	R	Overcast; rain ceased at 11h. 45m., but recommenced at 11h. 55m.	
8	R	Overcast; raining lightly.	
8	B	Overcast; raining lightly.	
8	B	Overcast; distant thunder in SE; rain ceased at 2h. 58m.	
8	B	Overcast; distant thunder in SE.	
8	B	Overcast; no thunder.	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	Overcast; rain from 8h. 0m. to 8h. 25m.	
8	R	Overcast; no rain.	
8	R	" "	
8	R	Overcast; drizzling rain from 11h. 14m. to 11h. 30m.	
8	R	Overcast with ≀ and ≀≀, the latter moving NE; slight rain from 0h. 35m. to 0h. 40m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°7 and 85°9. Daily fall of rain by Osler's Gauge 0·29 in.
8	B	Overcast with ≀≀, moving E.	
8	B	Overcast; light rain from 2h. 50m. to 2h. 59m.	
8	B	Overcast with ≀≀, moving NE.	
6	B	≀≀ around hor.; ≀ scattered throughout; a partial lunar-halo; drizzling rain from 4h. 37m. to 4h. 41m.	
6	C	Clouded as before; a partial lunar-halo.	
7	C	≀≀ and ≀ scattered throughout, the former moving ENE.	
8	C	Overcast with ≀≀, moving ENE.	
8	C	Overcast; rain commenced at 8h. 19m.	
8	R	Overcast with ≀≀, moving NNE; rain ceased at 9h. 24m.	
7	R	Overcast with ≀≀ and ≀≀, the former moving NE.	
8	R	Overcast with ≀≀, moving E.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 27th-Noon	29.592	28.650	83°5	79°5	4°0	78°1	0.84	82°8	83°6	WNW	0.1					2.00
1 p. m.	.577	.616	83.6	80.0	3.6	78.7	.86	82.9	83.6	,,	0.3					
2 ,,	.548	.612	84.0	79.5	4.5	77.9	.82	83.0	83.6	NW b W	0.5					
3 ,,	.543	.629	82.6	78.6	4.0	77.1	.84	82.2	83.6	,,	0.3					
4 ,,	.530	.622	81.6	78.2	3.4	76.9	.86	81.8	83.7	NW	0.2					
5 ,,	.535	.631	81.2	78·0	3.2	76.8	.87	81.7	83.7	NNW	0.1					
6 ,,	.532	.614	79.9	78.0	1.9	77.3	.92	80.6	83.7	N b W	0.0	0.05	None.	None.	None.	
7 ,,	.545	.599	79.7	78.6	1.1	78.2	.95	80.5	83.7	,,	0.0					
8 ,,	.564	.617	79.6	78.6	1.0	78.2	.96	80·5	83.6	,,	0.0					
9 ,,	.564	.656	79.0	77.5	1.5	76·9	.94	79.8	83.6	,,	0.0					
10 ,,	·576	.646	78.8	78.0	0.8	77.7	.97	80.0	83.6	,,	0.0					
11 ,,	.582	.656	79.2	78.0	1.2	77.5	.95	80.0	83.6	,,	0.0					
June 28th-Midnight	.570	.603	79.2	78.5	0.7	78.2	.97	80.0	83.5	N b E	0.0					
1 a. m.	.561	.635	79.2	78.0	1.2	77.5	.95	80.0	83.5	,,	0.0					
2 ,,	.555	.643	79.0	77·6	1.4	77.0	.94	79.7	83·5	W b N	0.0					
3 ,,	.541	.647	79.2	77.2	2.0	76.4	.92	79.8	83·5	WNW	0.1					
4 ,,	.532	.633	79.1	77.3	1.8	76.6	.92	79.7	83·5	NW b W	0.2					
5 ,,	.545	.646	78.0	77.0	1.0	76.6	.96	79.3	83.4	,,	0.0					
6 ,,	.551	.643	78.3	77.3	1.0	76.9	.96	79.5	83.5	,,	0.0					
7 ,,	.570	.613	80.2	79.0	1.2	78.6	.95	80.8	83.5	S b E	0.3					
8 ,,	.584	.601	83.6	80.5	3.1	79·4	.88	82.7	83.6	SSE	0.2					
9 ,,	.584	.587	84.3	81.0	3.3	79.9	.87	83.5	83.6	,,	0.5					
10 ,,	.582	.594	84.3	80.8	3.5	79.6	.86	83.5	83.7	,,	0.3					
11 ,,	.575	.593	85.6	81.0	4.6	79.4	.82	84.0	83.8	WSW	0.1		None.	None.	None.	
Noon.	.568	.593	86.3	81.0	5.3	79.2	.80	84.5	83.9	W	0.1					
1 p. m.	.563	.582	86.1	81.1	5.0	79.4	.81	84.3	83.9	,,	0.3					None.
2 ,,	.535	.572	87.4	81.0	6.4	78.8	.76	85.0	84.0	W b N	0·2					
3 ,,	.521	.576	86.3	80.3	6.0	78.2	.77	84.9	84.0	,,	0.2					
4 ,,	.517	.558	84.0	80.0	3.0	78.6	.84	83.9	84.1	W	0.1					
5 ,,	.507	.562	83.2	79.5	3.7	78.2	.85	83.5	84.2	,,	0.0					
6 ,,	.541	.606	82.2	79.0	3.2	77.8	.87	82.8	84.1	SSW	0.0					
7 ,,	.558	.617	81.6	79.0	2.6	78.0	.89	82.2	84.1	,,	0.3	0.01				
8 ,,	.576	.626	81.2	79.1	2.1	78.3	.91	82.0	84·0	,,	0.3					
9 ,,	.588	.635	80.5	79.0	1.5	78.4	.94	81.3	84.0	,,	0·6	0·01				
10 ,,	.594	.642	80.6	79.0	1.6	78.4	.93	81.1	84.0	,,	0.2					
11 ,,	.589	.631	80.5	79.0	1.5	78.4	.94	81.0	84.0	WNW	0.0					
June 29th-Midnight	.574	.606	79.2	79.0	0.2	78.9	.99	80.5	84.0	NE	0·6	0.09				
1 a. m.	.568	.662	78.2	79.2	1.0	76.8	·96	79.5	83.9	SSE	2.0	0.05				
2 ,,	.553	.620	78.6	78.0	0.6	77.8	.97	79·5	83.7	S b E	0.1					
3 ,,	.559	.651	77.9	77.2	0·7	76.9	.97	79.1	83.7	WSW	0.1	0.05				
4 ,,	.560	.653	78.4	77·3	1.1	76.9	.95	79.4	83·6	S b E	1.0					
5 ,,	.567	.666	77.8	77.0	0.8	76.7	.96	79.1	83.6	SSE	1.0					
6 ,,	.596	.673	78.0	77.6	0.4	77.4	.98	79.5	83.6	,,	0.6					
7 ,,	.615	.649	79·4	79.0	0.4	78.9	.98	80.2	83.6	,,	0.4					
8 ,,	.630	.671	80.0	79.0	1.0	78.6	.96	80.7	83.6	WNW	0.1					
9 ,,	.636	.696	81·7	79.0	2.7	78.0	.89	81.7	83.6	W	0.3	0.01				
10 ,,	.626	.637	83.0	80.5	2.5	79.6	.90	82·6	83.7	WNW	0.3					
11 ,,	.616	.636	84.2	80.6	3.6	79.3	.86	83.0	83.7	,,	0.5					
Noon.	.599	.610	85.0	81.0	4.0	79.6	.84	83.5	83.8	NW	0.2		None.	None.	None.	
1 p. m.	.587	.609	86.0	81.0	5.0	79.3	.81	84.6	83.9	W b S	0.1					
2 ,,	.576	·586	85 3	81.1	4.2	79·4	.84	84.2	84.0	WSW	0.1					None.
3 ,,	.566	.591	87.1	81.2	5.9	79.2	.78	85.0	84.0	WNW	0·3					
4 ,,	.547	.563	87.5	81.5	6.0	79.4	.78	85.4	84·1	,,	0.2					
5 ,,	.555	.600	85.8	80.4	5.4	78.5	.79	84.8	84.2	,,	0.1					
6 ,,	.565	.611	84.3	80.0	4.3	78·5	.83	84 0	84.2	,,	0.0					
7 ,,	.579	.607	82.6	80.0	2.6	79.1	.90	83.0	84.2	NW b W	0.0	0.04				
8 ,,	.596	.651	82.0	79·2	2.8	78.2	.89	82.6	84.2	NW	0.4					
9 ,,	.618	.652	79.4	79.0	0.4	78.9	.98	81.0	84.1	SSW	0.8	0.10				
10 ,,	.625	.719	77.4	77.0	0.4	76.8	.98	79.2	84.0	WSW	1.0	0.11				
11 ,,	.626	.772	76.8	75.5	1.3	75.0	.94	78.4	83.9	W	0.8					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ≀ nimbi.	
8	R	Overcast with ≀, moving E.	
8	B	∩ along E hor.; ≀ scattered about, moving E.	
8	B	∩ along E hor.; ≀ scattered about, moving ESE.	
8	B	∩ along E hor.; ≀ scattered about, moving SE.	
8	B	Overcast; slight rain commenced at 4h. 10m.	
8	C	Overcast; raining lightly.	
8	C	Overcast; rain ceased at 6h. 27m.	
8	C	Overcast; no rain.	
8	C	" "	
7	R	≀ scattered throughout, moving SE.	
7	R	≀ and ≀ scattered throughout, the former moving SE.	
8	R	" " "	
7	R	≀ around hor., moving SE; ≀ scattered throughout.	Mean daily temparature of ground 20 and 60 inches below its surface 84°7 and 85°9. Daily fall of rain by Osler's Gauge 0·02 in. This was the 20th day on which lightning was observed after sunset, and wind blowing abnormally.
7	B	Densely clouded with ≀, moving ESE.	
7	B	" " "	
6	B	≀ scattered throughout, moving S; a few drops of rain at 3h 49m.	
6	B	≀ scattered about, moving SW.	
7	C	≀ around hor.; ≀ and ≀ scattered throughout.	
7	C	≀, ≀, and ≀ scattered throughout, the former moving WSW.	
7	C	≀ and ≀ scattered about, the former moving NW.	
7	C	" " "	
7	R	" " "	
6	R	≀ and ≀ scattered about, the former moving N.	
6	R	≀ and ≀ scattered about, the latter moving NE; ∩ in N and S hor.	
7	R	≀ scattered throughout, moving NE.	
5	B	∩ around hor.; ≀ scattered about, moving W.	
3	B	" " " [3h. 57m.	
6	B	∩ around hor.; ≀ and fleecy clouds scattered about, the former moving E, and the latter W; thunder in NE at	
7	B	∩ around hor.; ≀ scattered about, moving E; slight rain commenced at 4h. 44m.	
8	C	Overcast with ≀, moving ENE; ⌣ around hor.; rain ceased at 5h. 36m.	
8	C	Overcast; rain commenced at 6h. 4m.	
8	C	Overcast; raining.	
8	C	Overcast; lightning in ENE hor.; raining.	
8	R	Overcast; lightning in N hor. and E hor.; rain ceased at 9h. 18m. [of 7m.	
7	R	≀ scattered thoughout, moving E; lightning in W and NNE hor. at intervals	
8	R	Overcast; slight rain commenced at 11h. 0m.	
8	R	Overcast with ≀, moving NNW; rain ceased at 0h. 32m; fresh breezes of wind after 0h. 55m. [fresh breezes of wind	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 85°8. Daily fall of rain by Osler's Gauge 0·51 in. This was the 21st day on which the wind and electrical state of the sky was unusually high.
3	B	∩ in WSW hor.; ≀ about the remainder of hor.; lightning in SW at intervals of 8s; slight rain from 1h. 48m. to 1h. 54m;	
8	B	Overcast with ≀, moving NNE; lightning in S every ½m.; rain from 2h. 32m. to 2h. 50m.	
8	B	Overcast with ≀, moving NE; lightning in SW at intervals of 1m. 50s.	
8	B	Overcast with ≀, moving NNE.	
6	C	≀ scattered about, moving NNW; rain from 5h. 17m. to 5h. 49m.	
7	C	Densely clouded with ≀, moving NW.	
7	C	Densely clouded with ≀, moving NE.	
7	C	Densely clouded with ≀, moving E; drizzling rain from 8h. 55m. to 9h. 0m.	
8	R	Overcast with ≀, moving E; slight rain from 9h. 0m. to 9h. 10m., and from 9h. 55m. to 10h. 0m.	
8	R	Overcast; light drops of rain between 10h. 0m. and 10h. 7m.	
6	R	≀ and ≀ scattered throughout, the former moving E.	
7	R	" " "	
3	B	∩ in hor.; ≀ scattered about, moving E.	
7	B	∩ along E hor.; ≀ scattered throughout, moving E; drizzling rain from 2h. 13m. to 2h. 25m.	
4	B	∩ along E hor.; ≀ scattered about, moving E.	
6	B	" " "	
7	C	" " "	
8	C	" " "	
7	C	≀ scattered throughout, moving E; lightning in N at intervals of 10m.	
8	C	Overcast; continuous lightning in N at intervals of 5m.; slight rain from 8h. 3m. to 8h. 17m., and from 8h. 32m. to 9h. 0m.	
8	C	Overcast; lightning in NE at intervals of 3m.; rain from 9h. 0m. to 9h. 29m.	
8	C	Overcast; occasional lightning in NE.	
8	C	Overcast; no lightning.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet-Bulb Thermometer.	Thermometers. Depression of Wet-Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in Seconds during the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 1st-Midnight	29.624	28.686	80·0	78·5	1·5	77·9	0.94	80·0	83·5	W	0.8	0.01				
1 a. m.	.624	.703	80.4	78.2	2.2	77.4	.91	80.2	83 3	„	0.8					
2 „	.599	.678	80.4	78·2	2.2	77.4	.91	80.3	83.3	W b N	1.0		+			
3 „	.596	.679	80.4	78.1	2.3	77.2	.90	80.4	83.3	„	1.5					
4 „	.596	.691	79.6	77.6	2.0	76.8	.92	80.0	83.2	NW b W	0·6	0.10				
5 „	.597	.669	79.0	78·0	1.0	77.6	.96	79.8	83.2	W b S	0.8	0.02				
6 „	.612	.711	77.8	77.0	0.8	76.7	.96	78.8	83.2	WSW	1.5	0.02				
7 „	.637	.714	78.0	77.6	0.4	77.4	.98	79.0	83.2	„	0.7	0.23				
8 „	.653	.715	78.1	78.0	0.1	77.9	1.00	79.1	83.2	W b S	1.2	0.12				
9 „	.665	.717	78.7	78.4	0.3	78.3	0.99	79.2	83.2	W b N	0.6	0.05				
10 „	.672	.768	77.5	77.0	0.5	76.8	.98	78.3	83.1	WNW	0.6	0.16				
11 „	.666	.742	77.6	77.5	0.1	77.5	1.00	78.5	83.0	W b S	0·5	0.65	+	20	20	Instantly.
Noon.	.651	.732	77.4	77.4	0.0	77.4	1.00	78.0	83.0	W	0.5	0.35				
1 p. m.	.652	.659	76.8	76.5	0.3	76.4	0.99	77.2	82.8	„	0·8	0.75				
2 „	.630	.722	77.2	77·0	0.2	76.9	.99	77.7	82.7	WNW	0·6	0.52				
3 „	.610	.709	77.8	77.0	0.8	76.7	.97	78.2	82.8	W b N	1.0	0.12				
4 „	.599	.720	76.6	76·1	0.5	75.9	.98	77.0	82.6	NW b W	3.0	0.13				
5 „	.593	.702	76.6	76.4	0.2	76.3	.99	76.7	82.6	„	1.5	0.45				
6 „	.599	.692	77.3	77.0	0·3	76.9	.99	77.1	82.6	„	1.0	0.44				
7 „	.607	.688	78.0	77.5	0.5	77.3	.98	78.0	82.6	WNW	1.3	0.35				
8 „	.629	.701	79.0	78.0	1.0	77.6	.96	79.0	82.6	WSW	1·0	0.05				
9 „	.635	.705	78.8	78.0	0.8	77·7	.96	79.2	82.5	„	1.4	0.02				
10 „	.655	.777	76.4	76.0	0.4	75.9	.98	76.7	82.5	WNW	1.5	0.67				
11 „	.647	.773	76.7	76.0	0.7	75.7	.97	77.3	82.4	WSW	1.0	0.16				
July 2nd-Midnight	.626	.704	77.8	77.5	0.3	77.4	.99	78.0	82.4	SW b W	1 to 1⅔	0.05				
1 a. m.	.597	.627	79.0	79.0	0.0	79.0	1.00	79.0	82.5	„	1·0	0.06				
2 „	.580	.613	79.3	79.0	0.3	78.9	0.99	79.1	82.5	„	0 to 1½	0.02				
3 „	.561	.633	79.0	78.0	1.0	77.6	.96	79.0	82.5	„	0 to 1	0.01				
4 „	.561	.633	79.0	78.0	1·0	77.6	.96	79.0	82.5	WSW	1 to 2⅔	0.01				
5 „	.563	.647	79.6	78.0	1.6	77.4	.93	79.5	82.4	„	1 to 1½					
6 „	.580	.659	80.4	78.2	2.2	77.4	.91	80.0	82.5	„	1 to 2					
7 „	.598	.661	80.1	78.5	1.6	77.9	.93	79.9	82.5	SW b W	1 to 3	0.07				
8 „	.610	.639	80.4	78.2	2.2	77.4	.91	79.9	82.6	WSW	½ to 3	0.04				
9 „	.623	.696	81·0	78.5	2.5	77.6	.90	80.5	82.7	„	1 to 1½					
10 „	.620	.705	81.3	78.3	3.0	77.2	.88	80.9	82.7	SW b W	1 to 2					
11 „	.616	.724	78.6	77.0	1.6	76.4	.93	79.2	82.7	W	1 to 1⅔		None.	None.	None.	None.
Noon.	.605	.690	78.0	77.4	0.6	77.2	.97	78.8	82.6	SW	1 to 2	0.23				
1 p. m.	.599	.670	77.8	77.7	0.1	77.6	1.00	78.5	82.5	„	1 to 2½	0.28				
2 „	.575	.615	79.2	78.8	0.4	78.7	0.98	79.5	82.5	SW b W	0 to 2	0.26				
3 „	.566	.603	79.6	79.0	0.6	78.8	.98	79.7	82.5	„	0 to 1	0.03				
4 „	.554	.644	77.0	77·0	0.0	77.0	1.00	77.5	82.5	W b N	⅓ to 5⅓	0.91				
5 „	.556	.640	77.2	77.2	0.0	77.2	1.00	77.5	82.5	WSW	⅔ to 3	0.79				
6 „	.560	.675	78.4	77.0	1·4	76.5	0.94	78.5	82.5	W	1¼ to 4¼	0.01				
7 „	.575	.674	78.6	77.2	1.4	76.7	.94	78.7	82.4	WSW	⅓ to 4	0.29				
8 „	.589	.697	80.0	77.4	2.6	76.4	.89	79.5	82.4	SW b W	2·0					
9 „	.594	.665	80.4	78.4	2.0	77.6	·92	80.3	82.5	WSW	1·5					
10 „	.598	.681	80.0	78.0	2.0	77.2	.92	80.0	82.5	W b S	1·0					
11 „	.592	.634	80.1	79.0	1.1	78.6	.95	80.2	82.5	WSW	1·2					
July 3rd-Midnight	.572	.620	80.6	79.0	1.6	78.4	.93	80.4	82.5	WSW	1.0					
1 a. m.	.549	.581	80.2	79.0	1.2	78.9	.95	80·0	82.5	„	1 0	0·01				
2 „	.535	.579	80.3	79.0	1.3	78.5	·95	80.0	82.5	„	1.5					
3 „	.535	.575	79.9	79.0	0.9	78·7	.96	79.9	82.5	W b S	1.5	0.03				
4 „	.527	.589	80.0	78.5	1.5	77·9	.94	80.0	82.5	„	1.0					
5 „	.534	.614	80.5	78.2	2.3	77.3	.91	80.2	82.5	WSW	1.5					
6 „	.565	.645	80.5	78.2	2.3	77.3	.91	80.2	82.5	„	0.7					
7 „	.578	.652	80.8	78.3	2·5	77.5	.90	80.4	82.6	W	0.8					
8 „	.593	.677	80.1	78.0	2.1	77.2	.91	80.1	82.6	W b S	0.7	0·04	+	20	20	Instantly.
9 „	.607	.648	80.7	79·2	1.5	78.6	.94	80.6	82.6	„	0·6					
10 „	.602	.685	80.0	78.0	2·0	77.2	·92	80.2	82.6	„	0.6	0.02				
11 „	.601	.654	81.1	79.0	2.1	78.2	.91	81.1	82.7	„	1.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿∿ cirro-cumuli; ⌒ cumuli; ⌒∿ cirro-strati; ⌒⌒ cumulo-strati; and ∿∿∿ nimbi.	
8	R	Overcast with ∿∿, moving E; drizzling rain from the time of Observation to 0h. 28m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°1 and 85°6. Daily fall of rain by Osler's Gauge 5·11 in.
8	B	Overcast; no rain.	
8	B	Overcast; drops of rain at 2h. 42m., and at 2h. 56m.	
8	B	Overcast; slight rain.	
8	B	Overcast; rain ceased at 4h. 13m., but recommenced at 4h. 35m.	
8	C	Overcast; raining.	
8	C	" "	
8	C	" "	
8	C	" "	
8	R	" "	
8	R	" "	
8	R	" "	
8	R	" "	
8	B	" "	
8	B	" "	
8	B	Overcast; rain ceased at 3h. 28m., but recommenced at 3h. 47m.	
8	B	Overcast; raining.	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	" "	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	Overcast; rain ceased at 0h. 25m., but recommenced at 0h. 45m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°2 and 85°8. Daily fall of rain by Osler's Gauge 3·06 in.
8	R	Overcast; raining.	
8	R	Overcast; raining; smart gusts of wind.	
8	R	" " "	
8	R	Overcast with ∿∿, moving SE; rain ceased at 4h. 8m.	
8	B	Overcast with ∿∿, moving E.	
8	B	Overcast; rain between 6h. 7m. and 6h. 25m.	
8	B	Overcast with ∿∿, moving ENE; rain at 7h. 3m., which lasted 11m.	
8	B	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	C	Overcast; rain commenced at 11h. 2m.	
8	C	Overcast; raining.	
8	R	" "	
8	R	Overcast with ∿∿, moving E; rain ceased at 2h. 18m., but recommenced at 2h. 45m.	
8	R	Overcast; raining, though very slightly till 3½ P. M.; smart gusts of wind.	
8	R	Overcast; raining heavily; smart gusts of wind.	
8	B	Overcast; rain ceased at 5h. 30m.	
8	B	Overcast; rain between 6h. 4m. and 6h. 42m; a few drops of rain at 6h. 51m.	
8	B	Overcast; no rain.	
8	B	" "	
8	C	" "	
8	C	Overcast; light rain between 10h 45m. and 10h. 48m.	
8	C	Overcast; no rain.	
8	C	Overcast; passing rain between 0h. 28m. and 0h. 53m.; smart gusts of wind.	Mean daily temperature of ground 20 and 60 inches below its surface 84°2 and 86°0. Daily fall of rain by Osler's Gauge 0·19 in.
8	R	Overcast; smart gusts of wind.	
8	R	Overcast; slight rain from 2h. 40m. to 2h. 56m.; smart gusts of wind.	
8	R	Overcast; a passing shower of rain at 3h. 40m.; smart gusts of wind.	
8	R	Overcast; smart gusts of wind.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	Overcast; drops of rain at 7h. 11m.; light rain at 7h. 13m., which ceased at 7h. 32m., but recommenced at 7h. 48m.	
8	B	Overcast; rain ceased at 8h. 22m.	
8	C	Overcast; rain commenced from 9h. 0m.	
8	C	Overcast; rain ceased at 10h. 12m.	
8	C	Overcast; no rain.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge, Direction.	Wind from Osler's Gauge, Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 3rd-Noon.	29.598	28.644	81°2	79°2	2°0	78°5	0.92	81°1	82°8	W	0.8					
1 p. m.	.580	.636	81.4	79.0	2.4	78.1	.90	81.3	82.7	„	0.8					
2 „	.566	.587	82.0	80.0	2.0	79.3	.92	81.7	82.8	„	0.7					
3 „	.558	.584	81.0	79.6	1.4	79.1	.94	81.2	82.8	„	0.7	0.05				
4 „	.549	.595	81.2	79.2	2.0	78·5	.92	81.0	82.9	W b S	0.6					
5 „	.560	.618	81.5	79.0	2.5	78.1	.90	81.1	83.0	„	0.5		None.	None.	None.	None.
6 „	·579	.632	81.1	79.0	2.1	78.2	.91	80.9	82.9	WSW	0.5					
7 „	.589	.641	81.0	79.0	2.0	78.3	.92	80.9	82.8	„	0.8					
8 „	.605	.659	81.2	79.0	2.2	78.2	.91	81.0	82.7	„	0.7					
9 „	.617	.667	80.8	79.0	1.8	78.3	.93	81.0	82.7	„	0.5					
10 „	.619	.669	80.8	79.0	1.8	78.3	.93	81.0	82.8	„	0.6					
11 „	.607	.657	80.8	79.0	1.8	78.3	.93	81.0	82.8	„	0.7					
July 4th-Midnight	.595	.645	80.8	79.0	1.8	78.3	.93	81.0	82.9	WSW	0.6					
1 a. m.	.580	.628	80.6	79.0	1.6	78.4	.93	80.5	82.9	„	0.5					
2 „	.576	.624	80.6	79.0	1.6	78.4	.93	80.5	83.0	„	0·7					
3 „	.573	.612	79.8	79.0	0.8	78.7	.97	80.0	83.0	„	0.7	0.03				
4 „	.566	.618	79.4	78.6	0.8	78.3	.97	80.0	83.0	„	0.5	0 02				
5 „	.580	.648	79.4	78.2	1.2	77.7	.95	80.0	82·8	W b S	0·6					
6 „	.594	.641	79.8	78.8	1.0	78.4	.96	80.1	82.8	„	0.4					
7 „	.617	.704	80.4	78.0	2.4	77.1	.90	80.3	82.9	WSW	0.2					
8 „	·629	.650	82.0	80.0	2.0	79.3	.92	81.6	83.0	SW b W	0.2					
9 „	.637	.643	83.0	80.6	2.4	79.8	.90	82.7	83.1	„	0.1					
10 „	·641	.599	84.2	82.0	2.2	81.3	.91	83.6	83.2	„	0.2					
11 „	.639	.614	85.7	82.0	3.7	80.7	.86	84.2	83.2	„	0.3					
Noon.	.624	.589	85.6	82.2	3.4	81.0	.87	84.4	83.3	W b S	0.3		None.	None.	None.	None.
1 p. m.	.620	.582	86.6	82.5	4.1	81.1	.84	85.0	83.4	W	0.2					
2 „	.607	.589	86.4	82.0	4.4	80.5	.83	85·2	83.5	„	0.3					
3 „	.592	.593	85.3	81.3	4.0	79.9	.84	84.5	83.5	„	0.5					
4 „	.590	.596	84.5	81.0	3.5	79.8	.86	84.0	83·5	W b S	0.3					
5 „	.589	.628	83.6	80.0	3.6	78.7	.86	83.2	83.6	„	0.3					
6 „	.610	.668	82.3	79.2	3.1	78.1	.87	82.1	83·6	„	0.4					
7 „	.622	.683	81·8	79.0	2.8	78.0	.89	82.0	83·6	„	0.5					
8 „	·633	.689	81.4	79.0	2.4	78.1	.90	81.7	83·6	„	0.6					
9 „	·652	.705	81.1	79.0	2.1	78·2	.91	81.7	83·6	„	0.3					
10 „	.666	.712	81.2	79.2	2.0	78.5	.92	81.6	83·5	„	0.1					
11 „	.662	.714	81.0	79.0	2.0	78.3	.92	81.3	83.5	„	0.3					
July 5th-Midnight	.643	·695	81.0	79.0	2.0	78.3	.92	81.3	83.5	W b S	0.3					
1 a. m.	.635	.666	81.0	79.5	1.5	79.0	.94	81.1	83.5	„	0.5					
2 „	.615	.663	80.6	79.0	1.6	78.4	.93	81.0	83.5	W	0.3					
3 „	.613	.661	80.6	79.0	1·6	78.4	.93	80.9	83.5	„	0.5					
4 „	.616	.664	80.6	79.0	1.6	78.4	.93	80.7	83.5	„	0.6					
5 „	.634	.698	80.6	78.6	2.0	77.9	.92	80.9	83.5	„	0.6					
6 „	.648	.704	80.6	78.8	1.8	78.1	.93	80.8	83.5	„	0·5					
7 „	.673	.729	81.4	79.0	2.4	78·1	.90	81.2	83·5	„	0.2					
8 „	.682	.707	82.4	80·0	2.4	79.2	.90	82.1	83.5	„	0.3					
9 „	.686	·705	85.4	80.4	3.0	79.4	.88	83.0	83.6	„	0.3					
10 „	.690	·716	84.0	80.4	3.6	79.1	.86	83.5	83.6	„	0.3					
11 „	·684	·678	84.3	81.2	3.1	80.1	.88	83.8	83.6	„	0.1	0·04	None.	None.	None.	None.
Noon.	.672	.650	86.0	82.0	4.0	80.6	.85	84.5	83.7	W b S	0.3					
1 p. m.	.654	.636	86.4	82.0	4.4	80.5	·83	85.2	83.8	„	0.4					
2 „	.646	.694	85.7	80.3	5.4	78·4	.80	84.7	83.8	„	0.5					
3 „	.626	.650	86.2	81.0	5.2	79.2	.80	85.0	84.0	W	0.2					
4 „	.612	.647	85.6	80.6	5.0	78.8	.81	84.7	84.0	W b N	0.5					
5 „	.616	.678	84.2	79.6	4.6	77.9	.82	83 9	84.0	„	0.7					
6 „	.633	.689	83.3	79.5	3.8	78.1	.85	83.1	84.0	NW b W	0.3					
7 „	.644	.716	82.2	78.8	3.4	77.6	.86	82.2	83.9	„	0.7					
8 „	.660	.723	82.0	79.0	3.0	77·9	.88	82.1	83.9	„	0.6					
9 „	.671	.731	81.7	79.0	2.7	78.0	.89	82.0	83.9	„	0.2					
10 „	.677	.736	81.6	79.0	2.6	78.0	.89	82.0	83.9	„	0.1					
11 „	.671	.723	81.4	79.1	2.3	78.3	.91	82.0	83.9	WNW	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇ cirri; ⌇⌇ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒⌣ cumulo-strati; and ⌇⌇ nimbi.	
8	C	Overcast; no rain.	
8	R	" "	
8	R	Overcast; slight rain between 2h. 14m. and 2h. 30m.	
8	R	Overcast; no rain.	
8	R	" "	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	Overcast; drizzling rain commenced at 8h. 32m.	
8	C	Overcast; rain ceased at 9h. 24m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	Overcast with ⌇⌇, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°1 and 86°2. Daily fall of rain by Osler's Gauge 0·07 in.
8	R	" "	
8	R	Overcast; passing showers of rain at 2h. 15m., and 2h. 40m.	
8	R	Overcast; a passing shower of rain at 3h. 25m.	
5	R	⌇⌇ scattered about, moving ENE.	
8	B	Overcast; no rain.	
6	B	⌇ and ⌇⌇ scattered about, the latter moving ENE; a few drops of rain at 5h. 58m.	
8	B	Overcast; no rain.	
8	B	Overcast; a few drops of rain at 8h. 5m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	Overcast; a few drops of rain at 11h. 31m.	
8	C	Overcast; no rain.	
8	R	" "	
8	R	Overcast with ⌇⌇, moving E; a few drops of rain at 2h. 43m.	
8	R	Overcast with ⌇ and ⌇⌇, the latter moving E.	
8	R	" " "	
8	B	Overcast with ⌇⌇, moving E.	
8		" "	
8	B	Overcast; a few drops of rain at 7h. 40m.	
8	B	Overcast; a few stars dimly visible; a comet was visible in NW near the constellation of Great Bear.	
6	C	⌇⌇ scattered about, moving E; a comet visible in NW above hor. till 9h 30m.	
7	C	⌇⌇ scattered throughout, moving ENE.	
6	C	" "	
6	C	⌇⌇ scattered about, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°3 and 86°2. Daily fall of rain by Osler's Gauge 0·05 in.
6	R	" "	
4	R	⌇⌇ scattered about, moving E; drops of rain between 2h. 24m. and 2h. 28m.	
7	R	⌇⌇ scattered throughout, moving E.	
8	R	Overcast; a few drops of rain at 4h. 5m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	" "	
8	B	" "	
8	C	" "	
8	C	Overcast; light rain at 10h. 45m.	
8	C	Overcast; no rain.	
8	C	" "	
8	R	Overcast; light drops of rain at 1h. 28m.	
8	R	Overcast with ⌇⌇, moving ESE.	
8	R	Overcast with ⌇⌇, moving E.	
8	R	" "	
8	B	" "	
8	B	" "	
8	B	Overcast; comet observed at 7h. 40m.	
7	B	⌇⌇ scattered throughout, moving E; comet visible.	
7	C	" " "	
6	C	" " "	
6	C	⌇⌇ scattered throughout, moving E; comet obscured by clouds about hor.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer laid on the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 6th-Midnight	29.657	28.711	81°2	79°0	2°2	78°2	0.91	82°0	83.9	W b N	0.3					
1 a. m.	.638	.692	81.2	79.0	2.2	78.2	.91	81.1	83.9	W	0.5					
2 „	.620	.672	81.0	79.0	2.0	78·3	·92	81.2	83.9	„	0.4					
3 „	.596	.685	80.5	78.0	2.5	77.0	.90	81.0	83.8	„	0.6					
4 „	.598	.642	80.3	79.0	1.3	78.5	.95	80.7	83.7	„	0.7	0·01				
5 „	.601	.657	80.6	78.8	1.8	78.1	.93	80.9	83.7	„	0.6					
6 „	.630	.680	80.8	79.0	1.8	78.3	.93	81.0	83.7	W b N	0.3					
7 „	.648	.684	81.5	79.5	2.0	78.8	.92	81.5	83.6	„	0.5					
8 „	.665	.692	82.5	80.0	2.5	79.1	.90	82.3	83.7	„	0.2					
9 „	.671	.696	82.4	80.0	2.4	79.2	.90	82.3	83.7	„	0.1					
10 „	.676	.695	83.8	80.5	3.3	79.3	.87	82.4	83.8	W	0.1		None.	None.	None.	None.
11 „	.674	.693	83.8	80.5	3.3	79.3	.87	82.5	83.8	W b S	0.2					
Noon.	.662	.665	84.3	81.0	3.3	79.9	.87	82.9	83.9	„	0.3					
1 p. m.	.639	.649	84.2	80.8	3.4	79.6	.87	84.0	84.0	W	0.6					
2 „	.616	.627	85.0	81.0	4.0	79.6	.84	84.5	84.0	„	0.6					
3 „	.619	.651	83.7	80.2	3.5	79.9	.86	83.5	84.0	„	0.5					
4 „	.608	.642	83.2	80.0	3.2	78.9	.87	83.2	84.0	W b N	0.6					
5 „	.620	.679	82.4	79.2	3.2	78.0	.87	82.3	84.1	„	0·3	0.01				
6 „	.631	.693	81.9	79.0	2.9	77.9	.89	82.0	84.1	„	0.2					
7 „	.644	.698	81.2	79.0	2.2	78.2	.91	81.3	84.0	„	0.8	0·01				
8 „	.655	.730	81.2	78.5	2.7	77.5	.89	81.7	83.9	„	0.8					
9 „	.672	.737	81.4	78.8	3.6	77·8	.89	81.7	83.9	„	0.6					
10 „	.678	.768	81.4	78.2	3.2	77.0	.87	81.5	83.9	„	0.8					
11 „	.676	.741	81.4	78.8	2.6	77.8	.89	81.5	83.9	W	0.5					
July 8th-Midnight	.660	·754	81.0	78.0	3.0	76.8	.88	81.6	84.0	W b S	0.4					
1 a. m.	.652	.727	81.2	78.5	2.7	77.5	.89	81.3	84.0	WSW	0.4					
2 „	.626	.701	81.2	78.5	2.7	77·5	.89	81.3	84.0	„	1.0					
3 „	.626	.676	80.8	79.0	1.8	78.3	.93	81.0	83.9	„	1.0					
4 „	.626	.693	80.5	78.5	2.0	77.8	.92	80.7	83.7	„	0.7					
5 „	.631	.739	80.5	77.5	3.0	76.4	.88	80.6	83.6	W	0.2					
6 „	.653	.790	80.5	76.8	3.7	75.3	.85	80.6	83.6	„	0.5					
7 „	.666	.781	81.1	77.5	3.6	76.1	.85	81.1	83.7	„	0.2					
8 „	.676	.746	82.6	79.0	3.6	77.7	.86	82.3	83.7	„	0.3					
9 „	.676	.730	85.0	80.0	5.0	78.2	.81	84.0	83.8	„	0.3					
10 „	.690	.765	85.4	79.6	5.8	77.5	.78	84.7	83.8	„	0.2					
11 „	.686	.755	86.4	80.0	6.4	77.7	.76	85.0	83.9	„	0.3					
Noon.	.680	.707	87.7	81.3	6.4	79.1	.76	85.6	84.0	„	0.4					
1 p. m.	.665	.711	88.2	81.0	7.2	78.5	.74	86.0	84.1	„	0.5					
2 „	.657	.661	88.4	82.0	6.4	79.8	.77	86.2	84.3	W b N	0.5	Drops of rain.				
3 „	.639	.704	88.0	80.5	7.5	77.8	.73	86.2	84.3	„	0.6					
4 „	.630	.689	86.7	80·3	6.4	78.0	.76	85.3	84.4	„	0.5					
5 „	.621	.679	85.4	80.0	5.4	78.1	.79	84.5	84.4	„	0.4					
6 „	.627	.728	83.6	78.5	5.1	76.6	.80	83.5	84.4	„	0.5					
7 „	.633	.747	82.1	77.8	4.3	76.1	.83	82.3	84.3	„	0.2					
8 „	.651	.718	82.4	79.0	3.5	77.8	.86	82.5	84.3	„	0.2					
9 „	.671	.755	82.0	78.5	3.5	77.2	.86	82.4	84.2	„	0.2					
10 „	.673	.765	81.6	78.2	3.4	76.9	.86	82.3	84.2	„	0.1					
11 „	.662	.760	81.4	78.0	3.4	76.7	.86	82.2	84.2	„	0.2					
July 9th-Midnight	.654	.767	81.2	77.6	3.6	76.2	.85	82.0	84.1	W	0.3					
1 a. m.	.636	.706	80.8	78.5	2.3	77.7	.91	81.1	84.2	„	0.2					
2 „	.624	.708	80.8	78.2	2.6	77.2	.89	81.2	84.2	„	0.2					
3 „	.620	.711	80.7	78.0	2.7	76.9	.89	81.0	84.0	„	0.1					
4 „	.620	.741	79.8	77.0	2.8	75.9	.88	80.5	84.0	„	0,1					
5 „	.624	.709	80.2	78.0	2.2	77.2	.91	80.8	83.9	„	0.0					
6 „	.646	.742	80.4	77.8	2.6	76.8	.89	80.8	83.9	„	0.1					
7 „	.658	.738	81.7	78.5	3.2	77·3	.87	81.6	83.9	„	0.2					
8 „	.665	.707	81.7	78.0	3.7	76.6	.85	81.5	84.0	„	0.1	0.16				
9 „	.671	.721	83.1	79.6	3.5	78.3	.86	83.0	84.0	„	0.2					
10 „	.670	.724	85.0	80.0	5.0	78.2	.81	84.1	84.0	„	0.1					
11 „	.666	.715	86.1	80.4	5.7	78.4	.78	85.0	84.1	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈ cirro-cumuli; ≈ cumuli; ≈ cirro-strati; ≈ cumulo-strati; and ≈ nimbi.	
8	C	Overcast with ≈, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 86°0. Daily fall of rain by Osler's Gauge 0·08 in.
8	R	" " "	
8	R	Overcast; slight rain commenced at 2h. 10m.	
8	R	Overcast; rain ceased at 3h. 29m.	
8	R	Overcast; no rain.	
8	B	" "	
8	B	Overcast; drops of rain between 6h. 25m. and 6h. 45m.	
7	B	≈ scattered throughout, moving E; slight rain between 7h. 25m. and 7h. 35m.	
8	B	Overcast; light rain at 8h. 27m., which lasted 4m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	C	Overcast; a few drops of rain at 12h. 52m.	
8	R	Overcast; no rain.	
8	R	" "	
8	R	" "	
8	R	Overcast with ≈, moving NE; light rain at 4h. 8m., which ceased at 4h. 12m.	
8	B	Overcast with ≈, moving E; a few drops of rain at 5h. 15m., and at 5h. 25m.	
8	B	Overcast; slight rain from 6h. 46m. to 6h. 58m.	
8	B	Overcast; comet visible after 7h. 45m.	
8	B	" " "	
8	B	Overcast.	
8	B		
8	B	"	
4	C	≈ scattered about hor.; comet visible in NW.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 86°1. At 2 P. M. the temperature of an was 88°4, highest during the month.
8	R	Overcast with ≈, moving NE; comet visible in NW.	
8	R	Overcast with ≈, moving E; strong wind; a few stars dimly visible.	
8	R	" " " "	
8	R	Overcast; a few stars dimly visible.	
8	B	Overcast with ≈, moving E.	
8	B	" "	
8	B	Masses of ≈ scattered throughout.	
6	B	≈ and ≈ scattered throughout, the former moving E.	
7	C	" " "	
7	C	" " "	
7	C	" " "	
6	C	" " "	
4	R	" " "	
6	R	" " "	
6	R	" " "	
8	R	Overcast with ≈, moving E; a few drops of rain at the time of observation.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	Overcast; comet visible after 7h. 59m.	
8	B	" "	
8	C	Overcast; slight rain at 9h. 48m.	
8	C	Overcast; a few drops of rain at 10h. 36m.	
8	C	Overcast; a few stars dimly visible.	
8	C	Overcast with ≈, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 86°0. Daily fall of rain by Osler's Gauge 0·17 in.
8	R	" "	
4	R	Masses of ≈, moving E.	
8	R	Overcast; a few drops of rain at 3h. 35m.	
8	R	Overcast; no rain.	
8	B	" "	
8	B	Overcast; a few drops of rain at 6h. 3m. [7h. 45m.	
7	B	≈ and ≈ scattered throughout, the former moving E; rain commenced at	
8	B	Overcast; rain ceased at 8h. 6m.; a few drops of rain fell at 8h. 22m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 9th–Noon.	29.658	28.713	87°0	80°5	6°5	78°2	0.76	85°8	84°2	W	0.2					
1 p. m.	.648	.683	85.2	80.5	4.7	78.8	.82	84.5	84.2	„	0.2					
2 „	.635	.731	85.0	79.0	6.0	76.8	.77	84.0	84.1	„	0.2					
3 „	.614	.680	84.2	79.5	4.7	77.8	.82	83.9	84.2	„	0.1					
4 „	.598	.670	83.9	79.3	4.6	77.6	.82	83.6	84.3	„	0.1					
5 „	.599	.680	83.6	79.0	4.6	77.3	.82	83.3	84.3	„	0.2		None.	None.	None.	
6 „	.608	.705	82.8	78.4	4.4	76.7	.83	82.9	84.3	„	0.1					
7 „	.624	.752	81.2	77.2	4.0	75.6	.84	82.0	84.2	„	0.1					
8 „	.631	.725	81.0	78.0	3.0	76.8	.88	81.5	84.1	„	0.0	0.01				
9 „	.643	.764	80.6	77.2	3.4	75.9	.86	81.3	84.0	„	0.0					
10 „	.648	.740	80.8	78.0	2.8	76.9	.89	81.5	84.0	„	0.0					
11 „	.644	.736	80.8	78.0	2.8	76.9	.89	81.6	84.0	W b S	0.1					
July 10th–Midnight	.634	.725	80.7	78.0	2.7	76.9	.89	81.4	84.0	W b S	0.2					
1 a. m.	.614	.701	80.4	78.0	2.4	77.1	.90	81.0	84.0	„	0.3					
2 „	.594	.697	80.0	77.5	2.5	76.5	.90	80.7	84.0	„	0.1					
3 „	.586	.669	80.0	78.0	2.0	77.2	.92	80.6	84.0	„	0.0					
4 „	.584	.667	80.0	78.0	2.0	77.2	.92	80.6	84.0	„	0.0					
5 „	.602	.693	80.0	77.8	2.2	76.9	.91	80.6	83.9	„	0.0					
6 „	.610	.711	79.9	77.5	2.4	76.6	.90	80.4	83.7	„	0.0					
7 „	.620	.706	81.0	78.2	2.8	77.1	.89	81.2	83.7	„	0.1					
8 „	.631	.702	82.7	79.0	3.7	77.6	.85	82.2	83.7	„	0.1					
9 „	.635	.703	84.4	79.5	4.9	77.7	.81	83.7	83.8	„	0.0					
10 „	.640	.723	83.8	79.0	4.8	77.2	.81	83.8	83.9	WSW	0.4					
11 „	.630	.664	83.3	79.8	3.5	78.5	.86	83.5	83.9	S b E	0.3					
Noon.	.616	.671	83.6	79.6	4.0	78.2	.84	83.9	84.0	S	0.3		None.	None.	None.	
1 p. m.	.601	.644	84.0	80.0	4.0	78.6	.84	84.0	84.0	S b E	0.6					
2 „	.589	.613	84.6	80.6	4.0	79.2	.84	84.0	84.0	„	0.6	None.				
3 „	.567	.610	84.0	80.0	4.0	78.6	.84	84.0	84.0	„	0.6					
4 „	.555	.600	83.4	79.8	3.6	78.5	.86	83.6	84.2	„	0.5					
5 „	.563	.639	83.2	79.0	4.2	77.5	.83	83.3	84.2	S	0.1					
6 „	.573	.648	82.0	78.7	3.3	77.5	.87	82.6	84.2	„	0.3					
7 „	.592	.677	81.3	78.3	3.0	77.2	.88	82.0	84.1	„	0.2					
8 „	.600	.714	81.0	77.5	3.5	76.1	.86	81.6	84.0	„	0.2					
9 „	.610	.731	80.6	77.2	3.4	75.9	.86	81.5	84.0	„	0.2					
10 „	.622	.742	80.5	77.2	3.3	75.9	.87	81.2	84.0	„	0.1					
11 „	.620	.739	80.4	77.2	3.2	76.0	.87	81.0	84.0	„	0.1					
July 11th–Midnight	.609	.732	80.0	77.0	3.0	75.8	.88	80.7	83.9	S	0.1					
1 a. m.	.586	.671	80.2	78.0	2.2	77.2	.91	80.5	83.9	„	0.5					
2 „	.567	.650	80.0	78.0	2.0	77.2	.92	80.6	83.9	„	0.4					
3 „	.558	.670	79.0	77.0	2.0	76.2	.92	80.0	83.7	S b E	0.0	0.02				
4 „	.562	.671	78.7	77.0	1.7	76.3	.93	79.8	83.7	„	0.3					
5 „	.574	.681	78.5	77.0	1.5	76.4	.94	79.5	83.6	„	0.1					
6 „	.596	.703	78.5	77.0	1.5	76.4	.94	79.5	83.5	„	0.1					
7 „	.602	.703	79.9	77.5	2.4	76.6	.90	80.5	83.5	„	0.5					
8 „	.608	.709	81.6	78.0	3.6	76.6	.86	81.8	83.5	„	0.5					
9 „	.617	.700	82.7	78.7	4.0	77.2	.84	82.7	83.5	„	0.4					
10 „	.614	.670	83.3	79.5	3.8	78.1	.85	83.1	83.6	„	0.4					
11 „	.609	.656	84.4	80.0	4.4	78.4	.83	84.0	83.6	„	0.6					
Noon.	.599	.621	86.0	81.0	5.0	79.3	.81	84.9	83.7	„	0.5		None.	None.	None.	
1 p. m.	.572	.627	87.0	80.5	6.5	78.2	.76	85.2	83.9	SSW	0.6					
2 „	.556	.615	87.8	80.6	7.2	78.0	.74	85.7	84.0	SW b S	0.4					
3 „	.545	.623	87.2	80.0	7.2	77.4	.74	85.4	84.0	SW	0.4					
4 „	.537	.628	86.5	79.5	7.0	76.9	.74	85.0	84.0	„	0.4					
5 „	.549	.636	83.5	78.8	4.7	77.1	.82	83.9	84.0	„	0.2					
6 „	.567	.685	83.2	78.0	5.2	76.0	.80	83.3	84.0	„	0.2					
7 „	.571	.679	82.3	78.0	4.3	76.4	.83	82.5	84.0	„	0.1					
8 „	.578	.681	81.8	78.0	3.8	76.5	.85	82.2	84.0	„	0.1					
9 „	.591	.689	81.4	78.0	3.4	76.7	.86	82.0	84.0	„	0.0					
10 „	.597	.692	81.1	78.0	3.1	76.8	.87	82.0	84.0	„	0.0					
11 „	.594	.685	80.7	78.0	2.7	76.9	.89	81.5	84.0	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ≀∿ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒∿ cumulo-strati; and ≀∿ nimbi.	
8	C	Overcast; no rain.	
8	R	" "	
8	R	≀∿ around hor.; ∿ and ≀∿ scattered throughout.	
8	R	Uniformly overcast with ≀∿, moving NE.	
8	R	" " "	
8	B	Overcast with ≀∿ and ∿, the former moving E.	
8	B	Overcast; drops of rain between 6h. 46m. and 6h. 49m.	
8	B	Overcast; slight rain at 7h. 46m.; comet visible after 7h. 38m.	
7	B	≀∿ and ∿ scattered throughout, moving E; a few drops of rain at 8h. 54m.	
8	C	Overcast; no rain.	
6	C	≀∿ and ∿ scattered throughout, the former moving E; comet not visible.	
6	C	" " "	
7	C	≀∿ and ∿ scattered about, the former moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 86°0.
4	R	" " "	
3	R	" " "	
4	R	" " "	
6	R	" " "	
8	B	Overcast with ≀∿, moving E.	
8	B	" "	
8	B	Overcast with ≀∿ and ∿, the former moving E.	
8	B	" " "	
7	C	≀∿ and ∿ scattered throughout, the former moving E.	
8	C	" " "	
8	C	" " "	
8	C	Overcast.	
8	R	"	
8	R	Overcast; a lunar-halo.	
8	R	Overcast.	
8	R	Overcast with ≀∿, moving NE.	
7	B	≀∿ and ∿ scattered throughout, the former moving NE.	
7	B	" " "	
6	B	≀∿ and ∿ scattered thoughout; comet visible after 7h. 35m.	
5	B	≀∿ scattered about, moving NE; comet visible in NW.	
4	C	" " "	
3	C	" " "	
3	C	" " "	
2	C	≀∿ scattered about hor., moving NE; comet visible in NW.	Mean daily temperature of ground 20 and 60 inches below its surface 84°6 and 86°0. Daily fall of rain by Osler's Gauge 0·04 in.
2	R	" " "	
4	R	≀∿ scattered about; slight rain from 2h. 48m. to 2h. 0m.	
8	R	Overcast; no rain.	
3	R	≀∿ scattered about, moving NE.	
5	B	≀∿ and ∿ scattered about, the former moving NE; rainbow in W at 6h. 25m.	
6	B	≀∿ and ∿ scattered about, the former moving NNE.	
6	B	" " "	
6	B	≀∿ and ∿ scattered about, the former moving NE.	
4	C	" " "	
5	C	≀∿ and ∿ scattered about, a solar-halo.	
5	C	" " "	
4	C	" " "	
7	R	≀∿ and ∿ scattered throughout, the former moving NNE.	
7	R	" " "	
7	R	≀∿ and ∿ scattered throughout, the former moving ENE.	
7	R	" " "	
8	B	Overcast with ≀∿, moving NE.	
7	B	Densely clouded with ≀∿; drops of rain at 6h. 11m., and between 6h. 25m. and 6h. 30m.	
8	B	Overcast; no rain.	
8	B	Overcast; a few stars dimly visible.	
8	C	" "	
8	C	Overcast; slight rain commenced at 10h. 57m.	
8	C	Overcast; rain ceased at 11h. 12m.	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 12th-Midnight	29.590	28.675	80°2	78°0	2°2	77°2	0.91	81°2	83°9	SW	0.0					
1 a. m.	.574	.646	80.5	78.4	2.1	77.6	.91	81.0	84.0	„	0.0					
2 „	.562	.649	80.4	78.0	2.4	77.1	.90	81.0	84.0	„	0.3					
3 „	.548	.634	80.3	78.0	2.3	77.1	.90	80.7	84.0	SW b W	0.0					
4 „	.546	.629	80.0	78.0	2.0	77.2	.92	80.5	83.9	„	0.0					
5 „	.555	.632	80.1	78.1	2.0	77.4	.92	80.6	83.8	„	0.7					
6 „	.571	.663	79.0	77.5	1.5	76.8	.94	80.0	83.7	SSE	0.8					
7 „	.586	.664	79.5	78.0	1.5	77.4	.94	80.2	83.7	SE b S	0.4					
8 „	.598	.676	80.3	78.2	2.1	77.4	.91	80.9	83.7	„	0.6					
9 „	.610	.706	81.2	78.0	3.2	76.8	.87	81.8	83.8	„	0.3					
10 „	.612	.678	83.0	79.2	3.8	77.8	.85	83.0	83.8	„	0.2					
11 „	.601	.642	83.8	80.0	3.8	78.6	.85	83.8	83.9	„	0.3		None.	None.	None.	None.
Noon.	.581	.627	84.3	80.0	4.3	78.5	.83	84.4	84.0	S b E	0.4					
1 p. m.	.556	.590	86.3	80.8	5.5	78.8	.79	85.0	84.0	S b W	0.6					
2 „	.543	.592	86.5	80.5	6.0	78.4	.78	85.0	84.0	SSW	0.5					
3 „	.519	.556	87.4	81.0	6.4	78.8	.76	85.5	84.1	SW	0.4					
4 „	.503	.533	86.7	81.0	5.7	79.0	.79	85.3	84.2	SW b W	0.5					
5 „	.501	.580	84.6	79.3	5.1	77.4	.80	84.2	84.3	WSW	0.3					
6 „	.519	.629	83.2	78.2	5.0	76.3	.80	83.1	84.3	W b S	0.3					
7 „	.536	.632	82.4	78.3	4.1	77.8	.84	82.7	84.2	„	0.4					
8 „	.549	.649	81.5	78.0	3.5	76.6	.86	82.1	84.1	„	0.3					
9 „	.562	.652	80.6	78.0	2.6	77.0	.89	81.9	84.1	„	0.0	0.01				
10 „	.578	.661	80.0	78.0	2.0	77.2	.92	81.0	84.1	„	0.3	0.07				
11 „	.568	.647	79.6	78.0	1.6	77.4	.93	80.9	84.1	„	0.2	0.03				
July 13th-Midnight	.554	.662	78.6	77.0	1.6	76.4	.93	79.0	84.0	W b S	0.0	0.09				
1 a. m.	.537	.621	78.3	77.5	0.8	77.2	.97	79.7	84.0	„	0.4	0.31				
2 „	.527	.627	77.9	77.0	0.9	76.6	.96	79.0	84.0	„	0.5	0.10				
3 „	.522	.631	77.3	76.6	0.7	76.3	.97	79.0	83.8	„	0.0	0.58				
4 „	.522	.632	77.2	76.6	0.6	76.3	.97	78.5	83.6	„	0.0	0.11				
5 „	.524	.653	77.0	76.0	1.0	75.6	.96	78.3	83.6	„	0.0	0.10				
6 „	.536	.659	77.2	76.2	1.0	75.8	.96	78.3	83.6	„	0.0					
7 „	.546	.661	77.9	76.6	1.3	76.1	.94	79.0	83.6	„	0.1					
8 „	.549	.651	78.1	77.0	1.1	76.6	.95	79.1	83.5	„	0.0					
9 „	.547	.640	79.8	77.7	2.1	76.9	.91	80.4	83.6	„	0.0					
10 „	.540	.605	82.2	79.0	3.2	77.8	.87	82.1	83.6	SW b S	0.4					
11 „	.531	.582	82.4	79.4	3.0	78.3	.88	82.5	83.6	SSW	0.3		None.	None.	None.	None.
Noon.	.522	.554	83.0	80.0	3.0	78.9	.88	83.2	83.7	S b W	0.4					
1 p. m.	.513	.595	83.7	79.0	4.7	77.3	.82	83.0	83.5	SW b S	0.4					
2 „	.490	.584	81.0	78.0	3.0	76.8	.88	81.7	83.6	SW b W	0.1					
3 „	.466	.549	80.0	78.0	2.0	77.2	.92	81.0	83.6	„	0.2	0.03				
4 „	.462	.526	81.0	78.7	2.3	77.9	.91	81.7	83.6	SW	0.2					
5 „	.466	.535	81.4	78.7	2.7	77.7	.89	81.8	83.6	„	0.1					
6 „	.474	.538	80.6	78.6	2.0	77.9	.92	81.4	83.6	„	0.2					
7 „	.481	.553	79.0	78.0	1.0	77.6	.96	80.5	83.5	S	0.5					
8 „	.511	.600	78.8	77.5	1.3	77.0	.95	80.0	83.5	„	0.5					
9 „	.521	.582	78.0	78.0	0.0	78.0	1.00	79.4	83.5	S b E	0.8	0.05				
10 „	.537	.647	77.0	76.5	0.5	76.3	0.98	78.6	83.5	„	0.4	0.12				
11 „	.529	.625	77.5	77.0	0.5	76.8	.98	79.0	83.4	„	0.2	0.08				
July 15th-Midnight	.569	.668	77.8	77.0	0.8	76.7	.96	78.8	82.9	WSW	0.6	0.01				
1 a. m.	.554	.657	77.0	76.7	0.3	76.5	.99	78.0	82.8	SW b W	0.8	0.72				
2 „	.551	.643	77.2	77.0	0.2	76.9	.99	77.9	82.5	„	1.0	0.34				
3 „	.543	.640	77.6	77.0	0.6	76.7	.97	78.0	82.5	„	1.0	0.04				
4 „	.548	.642	77.4	77.0	0.4	76.8	.98	78.0	82.5	„	1.0	0.02				
5 „	.570	.677	77.8	76.8	1.0	76.4	.96	78.3	82.6	WSW	2.0		None.	None.	None.	None.
6 „	.591	.694	78.2	77.0	1.2	76.5	.95	78.4	82.6	„	0.7					
7 „	.616	.718	78.8	77.2	1.6	76.6	.94	78.8	82.6	„	1.0					
8 „	.621	.718	79.5	77.5	2.0	76.7	.92	79.6	82.6	„	0.6					
9 „	.623	.732	80.6	77.5	3.1	76.3	.87	80.6	82.7	„	1.2					
10 „	.623	.709	80.3	78.0	2.3	77.1	.90	80.3	82.7	„	1.0					
11 „	.620	.701	80.6	78.2	2.4	77.3	.90	80.8	82.7	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ∿ nimbi.	
8	C	Overcast with ∿, moving ENE; a few drops of rain at 0h. 50m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°6 and 86°0. Daily fall of rain by Osler's Gauge 0·11 in.
8	R	Overcast with ∿, moving NE; a few drops of rain at 1h. 50m.	
8	R	Overcast; no rain.	
6	R	∿ scattered about, moving ENE.	
6	R	" "	
8	B	Overcast with ∿, moving NE.	
8	B	Overcast; drizzling rain between 6h. 28m. and 6h. 31m.	
8	B	Overcast; no rain.	
8	B	Overcast with ∿, moving NNE.	
8	C	Overcast with ∿ and ∿, the former moving NE.	
7	C	Densely clouded with ∿ and ∿, the former moving NE.	
8	C	Overcast; slight rain at the time of observation.	
7	C	∿ and ∿ scattered throughout, the former moving NE.	
7	R	" " "	
8	R	∿ around hor.; ∿ scattered thoughout.	
8	R	Overcast with ∿ and ∿, the former moving NE.	
8	R	" " "	
8	B	Overcast; drops of rain at 5h. 10m.	
8	B	Overcast; no rain.	
7	B	Densely clouded with ∿ and ∿, the former moving ENE.	
8	B	Overcast; slight rain commenced at 8h. 0m.	
8	C	Overcast; raining lightly.	
8	C	" "	
8	C	" "	
8	C	Overcast; raining.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 86°0. Daily fall of rain by Osler's Gauge 1·74 in. At 4 P. M. barometer was 29·462, lowest during the month.
8	R	" "	
8	R	" "	
8	R	" "	
8	R	" "	
8	B	Overcast; rain ceased at 5h. 25m.	
8	B	Overcast; no rain.	
8	B	Overcast with ∿, moving NNE; light drizzling rain at 7h. 35m.	
8	B	Overcast with ∿, moving N.	
7	C	∿ scattered throughout, moving N.	
7	C	" "	
7	C	" "	
8	C	" "	
8	R	Overcast; drizzling rain from 1h. 28m. to 1h. 48m.	
8	R	Overcast; slight rain from 2h. 34m. to 2h. 52m.	
8	R	Overcast; no rain.	
8	R	" "	
8	R	Overcast; slight rain from 9h. 5m. to 5h. 17m., and from 5h. 50m. to 5h. 58m.	
8	R	Overcast; no rain.	
8	R	Overcast; a few drops of rain at 7h. 10m.	
8	R	Overcast with ∿, moving NW; rain commenced at 8h. 0m.	
8	R	Overcast; raining.	
8	R	" "	
8	R	" "	
8	C	Overcast with ∿, moving N; wind; raining.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 85°5. Daily fall of rain by Osler's Gauge 2·87 in.
8	R	Overcast; raining.	
8	R	Overcast; rain ceased at 2h. 18m, but recommenced at 2h. 40m.	
8	R	Overcast; raining lightly.	
8	R	Overcast with ∿, moving NE; rain ceased at 4h. 7m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	" "	
8	B	" "	
8	C	" "	
8	C	Overcast; rain commenced at 10h. 52m.	
8	C	Overcast; raining.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Reduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 Inch in the Ground.	Ground Thermometers. Thermometer 9 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds between the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 15th-Noon.	29.615	28.751	79°0	76°4	2°6	75°4	0.89	79°5	82°8	W b S	0.2	0.01				
1 p. m.	.614	.722	78.6	77.0	1.6	76.4	.93	79.0	82.6	„	0.4	0.04				
2 „	.602	.704	78.2	77.0	1.2	76.6	.95	79.0	82.6	WSW	0.6	0.22				
3 „	.599	.680	78·0	77.5	0.5	77.3	.98	79.0	82.5	SW b W	0.5	0.24				
4 „	.593	.673	78.2	77.6	0.6	77.3	.97	79.0	82.5	SW b S	0.5	0.20				
5 „	.601	.697	79.4	77.5	1.9	76.8	.92	79.5	82.6	SW	0.5	0.01				
6 „	.614	.692	78.8	77.8	1.0	77.4	.96	79.0	82.5	SSW	0.7	0·06				
7 „	.638	.743	78·7	77.1	1.6	76.5	.94	79.0	82.5	SW	1.5	0.07				
8 „	.641	.742	78.0	77.0	1.0	76.6	.96	78.9	82.5	„	0.6	0.15				
9 „	.651	.744	78.0	77.2	0.8	76.9	.96	78.9	82.5	SW b S	0.4	0.04				
10 „	.655	.780	76.6	76.0	0.6	75.8	.97	77.6	82.4	W b S	0.1	0.55				
11 „	.649	.741	77.2	77.0	0.2	76.9	.99	78.0	82.3	SW b W	0.4	0·22				
July 16th-Midnight	.639	.760	77·0	76.2	0.8	75.9	.97	77.9	82.3	WSW	0.4	0.12				
1 a. m.	.612	.711	77.8	77.0	0.8	76.7	.97	78.0	82.2	„	0.6	0.08				
2 „	.600	.701	76.6	76.6	0.0	76.6	1.00	77.0	82.2	W	0 to 1⅛	0.43				
3 „	.594	.686	77.2	77.0	0.2	76.9	0.99	78.0	82.2	SW b W	⅛ to 3⅛	0·17				
4 „	.590	.671	77·3	77.3	0.0	77.3	1.00	77.5	82.0	W b S	0.8	0.25				
5 „	.606	.703	78.4	77.2	1.2	76.7	0.95	78.5	82.1	WSW	0.6	0.06				
6 „	·623	.733	78.8	77.0	1.8	76.3	.92	78.7	82.1	„	0.5					
7 „	.640	.746	79.2	77.2	2.0	76.4	.92	79.2	82.1	„	0.3					
8 „	.651	.750	79.7	77.5	2.2	76.7	.91	79.3	82.1	SW b W	0·3					
9 „	.648	.731	80.0	78.0	2.0	77.2	.92	80.0	82.1	„	0.4					
10 „	.650	.709	81.6	79.0	2.6	78.0	.89	81.2	82.2	„	0.3					
11 „	.646	.709	82.0	79.0	3.0	77.9	.88	81.7	82.3	SW	0.4					
Noon.	.636	.710	83.0	79.0	4.0	77·5	.84	82.1	82·4	„	0.5					
1 p. m.	.624	.711	84.2	79.0	5.2	77.1	·80	83.0	82.5	„	0.6					
2 „	.612	.693	81.8	78.5	3.3	77.3	.87	81.5	82.5	SW b W	0.7	0.02				
3 „	.601	.664	80.1	78.5	1.6	77.9	·93	80.3	82.5	W b S	0.4	0.10				
4 „	.594	.688	81.0	78.0	3.0	76.8	.88	81.0	82.5	WSW	0.8					
5 „	.595	.689	81.0	78.0	3.0	76.8	.88	80·8	82.6	SW b W	0.3					
6 „	.612	.729	80.6	77.3	3.3	76.0	.87	80.5	82.5	„	0.7					
7 „	.629	.752	80.0	77.0	3.0	75.8	.88	80.0	82.5	„	0.7					
8 „	.635	.754	79.7	77.0	2.7	75.9	.89	80.0	82.5	„	0.6					
9 „	.641	.766	78.0	76.4	1·6	75.8	.94	79.0	82.4	WSW	0.5	0.05				
10 „	.649	.758	79·5	77.2	2.3	76.3	.90	79.8	82.4	SW b W	0.6					
11 „	.642	.763	79.8	77.0	2.8	75.9	.88	79.9	82.4	„	0.8					
July 17th-Midnight	.632	·728	79.7	77.6	2.1	76.8	.91	79.9	82.4	SW b W	0.5					
1 a. m.	.606	.701	79.6	77.6	2.0	76.8	.92	79.5	82.4	„	1.0					
2 „	.590	.737	78.6	76.0	2.6	75.0	·89	79.0	82.3	SW	0.7	0.01				
3 „	.580	.694	79.2	77.0	2.2	76.1	.91	79.4	82.3	SW b W	1.2					
4 „	.573	.667	79.2	77.5	1.7	76.8	.93	79.5	82.2	„	1.5					
5 „	.580	.705	79.4	76.8	2.6	75.8	.89	79.5	82.2	SW	0.8					
6 „	.600	.721	79.8	77.0	2.8	75.9	.88	79.8	82.2	„	0.6					
7 „	.612	·714	80.2	77.6	2.6	76.6	.89	80.0	82.3	„	0.6					
8 „	·621	.714	80.9	78.0	2.9	76.9	.88	80.4	82.3	„	0.2					
9 „	.620	.720	81.5	78.0	3.5	76.6	.86	81.0	82.4	„	0.5					
10 „	.618	.710	81.8	78.5	3.3	76.9	·87	81.5	82.5	SW b W	0.3					
11 „	·618	·718	81.5	78.0	3.5	76.6	.86	81.3	82.5	SW	0.3					
Noon.	.606	.682	83.2	79.0	4.2	77.5	83	82.0	82.5	„	0.8					
1 p. m.	.596	.676	82.8	78.8	4.0	77.3	.84	82.0	82.5	WSW	0.6					
2 „	.584	.687	81.8	78.0	3.8	76.5	.85	81.5	82.5	SW b W	0.7					
3 „	.576	.686	81.0	77.6	3.4	76.3	.86	81.0	82.5	„	0.8					
4 „	.570	.664	81.0	78.0	3.0	76.8	.88	81.0	82.5	SW	0.8					
5 „	.571	.694	80.7	77.2	3.5	75.8	.86	80.5	82.5	„	0.5					
6 „	.574	.694	80.5	77.2	3.3	75.9	.87	80.5	82.5	„	0.6					
7 „	.584	.709	80.2	77.0	3.2	75.8	.87	80.2	82.5	„	⅛ to 2⅜					
8 „	.601	.737	77.6	76·0	1.6	75.4	.93	78.8	82.4	„	0.3	0.07				
9 „	.630	.718	79.0	77.6	1.4	77·0	.94	79.6	82.5	SW b S	0.3					
10 „	.630	.721	78.6	77.4	1.2	76.9	.95	79·2	82.5	SSW	0.4					
11 „	.622	.790	78.4	75.4	3.0	74.2	.87	79.0	82.4	SW b S	0.4	0.01				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿∿ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒∿ cumulo-strati; and ∿∿ nimbi.	
8	C	Overcast; raining.	
8	R	" "	
8	R	" "	
8	R	Overcast; rain ceased at 3h. 50m.	
8	R	Overcast; slight rain between 4h. 4m. and 4h. 9m.	
8	B	Overcast; very slight rain after 5h. 5m.	
8	B	Overcast; rain ceased at 6h. 40m.	
8	B	Overcast; rain from 7h. 4m. to 7h. 25m., and from 7h. 35m. to 7h 56m.	
8	B	Overcast; rain commenced at 8h. 0m.	
8	C	Overcast; raining lightly.	
8	C	" "	
8	C	" "	
8	C	Overcast with ∿∿, moving NE; raining.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 86°0. Daily fall of rain by Osler's Gauge 1·21 in.
8	R	" " "	
8	R	" " "	
8	R	" " "	
8	R	Overcast; rain ceased at 4h. 46m.	
8	B	Overcast with ∿∿, moving E; drops of rain falling after 5h. 50m.	
8	B	Overcast; raining very lightly.	
8	B	" "	
8	B	Overcast; rain ceased at 8h. 57m.	
8	C	Overcast; drops of rain falling after 9h. 28m.	
8	C	Overcast; rain ceased at 10h. 34m.	
8	C	Overcast; no rain.	
8	C	" "	
8	R	Overcast; passing showers of rain at 1h. 50m., and at 1h. 58m.	
8	R	Overcast; slight rain at 2h. 0m., at 2h. 13m., and at 2h. 45m., which lasted respectively 5, 9, and 15m.	
8	R	Overcast; no rain.	
8	R	" "	
8	B	" "	
8	B	Overcast; a few drops of rain at 6h. 51m.	
8	B	Overcast; slight rain at 7h. 25m., which lasted 2m.	
8	B	Overcast; shower of rain at 8h. 44m., which lasted 2m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	C	Overcast with ∿∿, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 86°0. Daily fall of rain by Osler's Gauge 0·13 in.
8	R	Overcast; a passing shower of rain at 1h. 52m.	
8	R	Overcast; fresh breezes of wind blowing.	
8	R	" " "	
8	R	" " "	
8	B	Overcast; no rain.	
8	B	" "	
8	B	" "	
8	B	" "	
8	C	Overcast with ∿∿, moving ENE.	
8	C	" "	
8	C	Overcast; slight rain at 11h. 5m.	
8	C	Overcast; no rain.	
8	R	" "	
8	R	Overcast; drops of rain now and then.	
8	R	Overcast with ∿∿, moving E; drops of rain between 3h. 0m. and 3h. 30m.; and a passing shower at 3h. 58m.	
8	R	Overcast; no rain.	
8	B	" "	
8	B	Overcast; a few drops of rain at 6h. 46m.	
8	B	Overcast; light rain from 7h. 25m. to 7h. 38m.	
8	B	Overcast; drops of rain between 8h. 0m. and 8h. 52m.	
8	C	Overcast with ∿∿, moving ENE; a passing shower of rain at 9h. 17m.	
8	C	Overcast; slight rain between 10h. 24m. to 10h. 38m.	
8	C	Overcast; no rain.	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds between the three degrees of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 18th-Midnight	29.611	28.753	78°2	76°0	2°2	75°1	0.91	78°8	82°4	SW b S	0.2					
1 a. m.	.599	.732	77.4	76.0	1.4	75.5	.94	78.0	82.2	„	1 to 3	0.11				
2 „	.584	.703	76.1	76.0	0.1	75.9	1.00	77.0	82.0	„	0.8	0.33				
3 „	.576	.686	77.0	76.5	0.5	76.3	0.98	77.3	82.0	SSW	0.6	0.02				
4 „	.573	.713	75.5	75.3	0.2	75.2	.99	76.4	82.0	SW	1 to 2	0.20				
5 „	.581	.699	76.7	76.2	0.5	76.0	.98	77.5	82.2	SW b S	0.3	0.04				
6 „	.591	.727	77.6	76.0	1.6	75.4	.93	78.1	82.1	SSW	1:0	0.05				
7 „	.609	.719	78.1	76.8	1.3	76.3	.94	78.3	82.0	SW b S	0.6	0.03				
8 „	.621	.716	78.9	77.4	1.5	76.8	.94	78.9	82.0	„	0.8					
9 „	.630	.744	79.2	77.0	2.2	76.1	.91	79.1	82.0	„	0.4					
10 „	.635	.752	80.2	77.2	3.0	76.0	.88	80.2	82.0	„	0.5					
11 „	.630	.733	80.3	77.6	2.7	76.5	.89	80.2	82.1	„	0.4		None.	None.	None.	
Noon.	.620	.707	80.4	78.0	2.4	77.1	.90	80.3	82.1	SSW	0.3					None.
1 p. m.	.602	.746	78.4	76.0	2.4	75.1	.90	79.0	82.0	SW b S	0.4	0.04				
2 „	.599	.688	79.4	77.7	1.7	77.0	.93	79.7	82.0	„	0.4	0.01				
3 „	.591	.709	77.8	76.5	1.3	76.0	.94	78.5	82.0	WSW	0.5	0.11				
4 „	.592	.734	76.4	75.5	0.9	75.1	.96	77.5	82.0	„	0.6	0.08				
5 „	.597	.749	76.6	75.3	1.3	74.8	.94	77.3	81.9	„	0.7	0.01				
6 „	.600	.735	76.8	75.8	1.0	75.4	.96	77.5	81.9	SW b S	0.5	0.02				
7 „	.616	.751	77.5	76.0	1.5	75.4	.94	78.0	81.8	SSW	0.6	0.01				
8 „	.636	.767	77.2	76.0	1.2	75.5	.95	77.9	81.7	SW b W	0.7	0.02				
9 „	.644	.808	76.6	75.0	1.6	74.3	.93	77.2	81.7	SW b S	0.6	0.15				
10 „	.650	.809	76.2	75.0	1.2	74.5	.95	77.0	81.6	„	0.2	0.02				
11 „	.639	.777	76.8	76.0	0.8	75.7	.96	77.8	81.6	„	0.5					
July 19th-Midnight	.630	.762	77.3	76.0	1.3	75.5	.94	79.9	81.5	SSW	0.5	0.06				
1 a. m.	.612	.710	76.7	77.0	0.7	76.7	.97	77.9	81.6	„	0.5	0.06				
2 „	.596	.704	77.2	76.6	0.6	76.4	.97	77.6	81.5	SW	0.5	0.23				
3 „	.596	.757	76.4	75.0	1.4	74.4	.98	77.0	81.5	„	0.5	0.28				
4 „	.585	.675	77.0	77.0	0.0	77.0	1.00	77.3	81.5	„	1.0	0.24				
5 „	.597	.722	76.6	76.0	0.6	75.8	0.97	77.1	81.5	WSW	0.5	0.06				
6 „	.608	.728	77.2	76.3	0.9	75.9	.96	77.4	81.5	SW b S	0.8	0.06				
7 „	.627	.739	77.6	76.6	1.0	76.2	.96	77.8	81.4	„	0.4	0.18				
8 „	.639	.721	78.4	77.6	0.8	77.3	.97	78.3	81.4	SSW	0.6	0.05				
9 „	.650	.734	79.3	77.8	1.5	77.2	.94	79.4	81.5	SW b S	0.6					
10 „	.652	.744	79.7	77.7	2.0	76.9	.92	79.8	81.5	„	0.6		None.	None.	None.	
11 „	.641	.735	79.9	77.7	2.2	76.8	.91	80.0	81.5	SSW	0.5					None.
Noon.	.639	.738	80.0	77.6	2.4	76.7	.90	80.1	81.6	„	0.4					
1 p. m.	.624	.724	79.8	77.5	2.3	76.6	.90	79.7	81.6	SW b S	0.7					
2 „	.606	.706	79.8	77.5	2.3	76.6	.90	80.0	81.6	SSW	0.8					
3 „	.595	.700	77.6	76.8	0.8	76.5	.97	78.3	81.6	SW b S	0.6	0.07				
4 „	.597	.699	78.1	77.0	1.1	76.6	.95	78.5	81.6	„	0.6					
5 „	.594	.707	78.1	76.7	1.4	76.4	.94	78.3	81.6	SW	0.5					
6 „	.608	.770	77.2	75.2	2.0	74.4	.91	78.0	81.5	„	0.7	0.05				
7 „	.617	.746	77.0	76.0	1.0	75.6	.96	77.7	81.5	„	0.7	0.20				
8 „	.634	.769	77.9	76.1	1.8	75.4	.92	78.1	81.5	„	0.7					
9 „	.634	.759	76.6	76.0	0.6	75.8	.97	77.6	81.4	„	0.8	0.39				
10 „	.642	.744	78.1	77.0	1.1	76.6	.95	78.5	81.4	„	1.0	0.02				
11 „	.641	.771	77.8	76.2	1.6	75.6	.93	78.2	81.4	„	1.0					
July-20th Midnight	.625	.763	77.8	76.0	1.8	75.3	.92	78.4	81.4	SW b S	1.2					
1 a. m.	.612	.706	77.4	77.0	0.4	76.8	.98	77.9	81.4	SW	0.6					
2 „	.596	.724	76.9	76.0	0.9	75.6	.96	77.1	81.4	„	0.8	0.12				
3 „	.588	.682	77.4	77.0	0.4	76.8	.98	77.6	81.4	„	0.8	0.02				
4 „	.597	.698	78.0	77.0	1.0	76.6	.96	78.0	81.4	„	1.0					
5 „	.602	.795	75.8	74.0	1.8	73.2	.92	77.0	81.3	„	0.5	0.11				
6 „	.634	.771	77.7	76.0	1.7	75.3	.93	77.8	81.3	SW b S	0.7		None.	None.	None.	
7 „	.649	.773	78.3	76.5	1.8	75.8	.92	78.1	81.3	„	1.0					None.
8 „	.668	.771	79.3	77.3	2.0	76.5	.92	79.0	81.3	„	0.6					
9 „	.671	.789	78.5	76.7	1.8	76.0	.92	79.0	81.4	SSW	0.4	0.08				
10 „	.680	.796	79.4	77.0	2.4	76.1	.90	79.6	81.4	„	0.7	0.01				
11 „	.679	.776	80.5	77.8	2.7	76.7	.89	80.4	81.5	SW b S	1.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌣i cirri; ⌣⌣i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒i cumulo-strati; and ⌣⌣i nimbi.	
8	C	Overcast with ⌣⌣i, moving NE; drizzling rain after 0h. 18m.	Mean daily temperature of ground 20 and 60 inches below its surface 83°6 and 85°9. Daily fall of rain by Osler's Gauge 13·8 in. At 4 A. M. temperature of air was 75·5, lowest in the month.
8	R	Overcast; raining.	
8	R	Overcast; rain ceased at 2h. 25m., but recommenced at 2h. 50m., which lasted 1m.	
8	R	Overcast; rain commenced at 3h. 7m.	
8	R	Overcast; raining.	
8	B	Overcast with ⌣⌣i, moving ENE; raining.	
8	B	Overcast; rain ceased at 6h. 52m.	
8	B	Overcast; slight rain after 7h. 40m.	
8	B	Overcast; rain ceased at 8h. 9m.	
8	C	Overcast; a few drops of rain from 9h. 20m. to 9h. 45m.	
8	C	Overcast; no rain.	
8	C	Overcast; a few drops of rain from 11h. 3m. to 11h. 37m.	
8	C	Overcast; rain recommenced at 12h. 50m.	
8	R	Overcast; rain ceased at 1h. 12m., but recommenced at 1h. 35m.	
8	R	Overcast; raining.	
8	R	Overcast with ⌣⌣i, moving E; raining.	
8	R	Overcast with ⌣⌣i, moving ENE; raining.	
8	B	Overcast with ⌣⌣i, moving E; rain ceased at 5h. 45m.	
8	B	Overcast; drops of rain after 6h. 40m.	
8	B	Overcast with ⌣⌣i, moving ENE; raining.	
8	B	Overcast; raining.	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	Overcast; rain ceased at 0h. 24m., but recommenced at 0h. 55m.	Mean daily temperature of ground 20 and 60 inches below its surface 83°6 and 85°8. Daily fall of rain by Osler's Gauge 1·64 in.
8	R	Overcast; rain ceased at 1h. 32m., but recommenced at 1h. 48m.	
8	R	Overcast wih ⌣⌣i, moving NE; rain ceased at 2h. 30m., but recommenced at 2h. 45m.	
8	R	Overcast; rain accompanied with smart gusts of wind.	
8	R	Overcast with ⌣⌣i, moving E; raining.	
8	B	Overcast with ⌣⌣i, moving ENE; raining.	
8	B	Overcast; rain ceased at 6h. 46m.	
8	B	Overcast; heavy shower of rain at 7h. 44m.	
8	B	Overcast with ⌣⌣i, moving NE; drops of rain now and then after 8h. 19m.	
8	C	Overcast; rain ceased at 9h. 40m.	
8	C	Overcast; no rain,	
8	C	Overcast with ⌣⌣i, moving ENE.	
8	C	Overcast; drops of rain between 12h. 0m. and 12h. 25m.	
8	R	Overcast; drops of rain after 1h. 20m.	
8	R	Overcast; slight rain.	
8	R	Overcast with ⌣⌣i, moving E; slight rain ceased at 3h. 5m., but recommenced at 3h. 53m.	
8	R	Overcast; slight rain.	
8	B	Overcast with ⌣⌣i, moving ENE; slight rain.	
8	B	Overcast; rain ceased at 6h. 45m.	
8	B	Overcast; no rain.	
8	B	Overcast; light rain.	
8	C	Overcast; raining ceased at 9h. 27m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	Overcast with ⌣⌣i, moving NE; slight rain after 0h. 30m.	Mean daily temperature of ground 20 and 60 inches below its surface 83°3 and 85°6. Daily fall of rain by Osler's Gauge 0·84 in.
8	R	Overcast; rain ceased at 1h. 48m.	
8	R	Overcast; slight rain between 2h. 23m. and 2h. 33m.	
8	R	Overcast; a passing shower of rain at 3h. 30m., and a few drops of rain at 3h. 48m.	
8	R	Overcast; rain accompanied with gusts of wind at 4h. 40m., which ceased at 4h. 58m.	
8	B	Overcast with ⌣⌣i, moving ENE.	
8	B	" "	
8	B	" "	
8	B	Overcast; light rain after 8h. 37m.	
8	C	Overcast; light showers of rain at 9h. 0m., 9h. 40m., and at 9h. 56m.	
8	C	Overcast; light rain between 10h. 0m. and 10h. 7m.	
8	C	Overcast; drops of rain between 11h. 27m. and 11h. 31m.	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 20th-Noon.	29.670	28.748	81°4	78°5	2°9	77°4	0.88	80°9	81°6	SW b S	0.5					
1 p. m.	.662	.749	80.4	78.0	2.4	77.1	.90	80.3	81.5	„	0.6	0.07				
2 „	.640	.729	80.5	78.0	2.5	77.0	.90	80.3	81.5	SW	0.8					
3 „	.628	.749	79.8	77.0	2.8	75.9	.88	79.7	81.5	WSW	1.0					
4 „	.628	.751	80.0	77.0	3.0	75.8	.88	80.0	81.5	SW	0.7					
5 „	.629	.747	77.8	76.5	1.3	76.0	.94	78.5	81.6	„	0.5	0.04	None.	None.	None.	None.
6 „	.638	.745	78.5	77.0	1.5	76.4	.94	79.0	81.6	SW b S	0.3					
7 „	.651	.765	79.2	77.0	2.2	76.1	.91	79.4	81.6	SW	0.5					
8 „	.663	.778	79.3	77.0	2.3	76.1	.90	79.4	81.6	„	0.7					
9 „	.669	.777	79.4	77.2	2.2	76.4	.91	79.6	81.6	„	1.0					
10 „	.686	.841	76.6	75.2	1.4	74.7	.94	77.8	81.5	WSW	0.8	0.20				
11 „	.690	.819	77.0	76.0	1.0	75.6	.96	78.2	81.5	SW b W	0.4					
July 22nd-Midnight	.664	.768	79.8	77.4	2.4	76.5	.90	80.0	82.0	SW	1.5					
1 a. m.	.634	.713	79.6	78.0	1.6	77.4	.93	79.6	82.0	SW b W	1.5					
2 „	.628	.700	79.0	78.0	1.0	77.6	.96	79.2	82.0	„	1.5	0.04				
3 „	.628	.700	79.0	78.0	1.0	77.6	.96	79.0	82.0	WSW	1.3	0 01				
4 „	.625	.731	79.2	77.2	2.0	76.4	.92	79.2	82.0	W b S	1.4					
5 „	.631	.745	79.2	77.0	2.2	76.1	.91	79.3	82.0	„	1.0					
6 „	.650	.750	79.4	77.4	2.0	76.6	.92	79.5	82.0	„	0.7					
7 „	.674	.784	79.6	77.2	2.4	76.3	.90	79.6	82.0	„	0.5					
8 „	.680	.768	79.0	77.6	1.4	77.0	.94	79.1	82.0	„	0.6	0.16				
9 „	.683	.766	80.0	78.0	2.0	77.2	.92	80.2	82.1	WSW	0.6					
10 „	.681	.763	81.4	78.4	3.0	77.3	.88	81.1	82.1	W b S	0.5					
11 „	.678	.770	81.6	78.2	3.4	76.9	.86	81.3	82.2	WSW	0.7		None.	None.	None.	None.
Noon.	.668	.738	82.6	79.0	3.6	77.7	.86	82.0	82.2	W b S	0.6					
1 p. m.	.660	.738	81.5	78.5	3.0	77.4	.88	81.1	82.1	WSW	0.8					
2 „	.644	.702	81.5	79.0	2.5	78.1	.90	81.4	82.1	SW b W	0.5					
3 „	.626	.713	80.4	78.0	2.4	77.1	.90	80.6	82.2	WSW	0.6					
4 „	.610	.686	79.4	78.0	1.4	77.5	.94	79.9	82.1	„	0.6					
5 „	.612	.722	79.6	77.2	2.4	76.3	.90	79.6	82.1	„	0.6	0.02				
6 „	.626	.758	79.4	76.6	2.8	75.5	.88	79.6	82.1	„	0.8					
7 „	.640	.758	79.5	77.0	2.5	76.0	.90	79.8	82.1	„	0.8					
8 „	.661	.788	79.0	76.6	2.4	75.7	.90	79.4	82.0	W	1.0	0.05				
9 „	.675	.789	79.2	77.0	2.2	76.1	.91	79.7	82.0	WSW	0.6					
10 „	.679	.791	79.0	77.0	2.0	76.2	.92	79.5	82.0	SW b W	0.5	0.05				
11 „	.671	.783	79.0	77.0	2.0	76.2	.92	79.4	82.0	„	0.8					
July 23rd-Midnight	.663	.775	79.0	77.0	2.0	76.2	.92	79.5	82.0	SW b W	0.5					
1 a. m.	.641	.734	79.4	77.6	1.8	76.9	.92	79.5	82.0	„	1.0					
2 „	.623	.735	79.0	77.0	2.0	76.2	.92	79.0	82.0	„	1.5					
3 „	.609	.717	78.6	77.0	1.6	76.4	.93	79.0	82.0	„	0.7	0·01				
4 „	.591	.699	78.6	77.0	1.6	76.4	.93	79.0	82.0	„	0.7					
5 „	.594	.727	78.8	76.4	2.4	75.5	.90	79.0	81.9	WSW	1.3					
6 „	.609	.721	79.0	77.0	2.0	76.2	.92	79.2	81.9	SW b W	0.6					
7 „	.630	.742	79.0	77.0	2.0	76.2	.92	79.1	81.9	WSW	0.8					
8 „	.639	.748	79.5	77.2	2.3	76.3	.90	79.5	81.9	„	0.6					
9 „	.648	.756	80.5	77.5	3.0	76.3	.88	80.4	81.9	W b S	0.7					
10 „	.636	.721	80.2	78.0	2.2	77.2	.91	80.2	81.9	„	0.8		None.	None.	None.	None.
11 „	.628	.722	81.7	78.2	3.5	76.8	.86	81.3	82.0	WSW	1.0					
Noon.	.626	.770	81.9	77.0	4.9	75.7	.81	81.4	82.0	„	1.0					
1 p. m.	.611	.680	82.5	79.0	3.5	77.7	.86	81.8	82.0	W b S	0.8					
2 „	.596	.699	81.8	78.0	3.8	76.5	.85	81.3	82.1	„	1.0					
3 „	.578	.708	81.4	77.2	4.2	75.6	.83	81.0	82.1	„	1.0					
4 „	.574	.675	80.9	77.8	3.1	76.6	.87	80.6	82.1	„	1.0					
5 „	.586	.717	79.7	76.7	3.0	75.5	.88	80.0	82.1	„	0.7					
6 „	.599	.761	77.2	75.2	2.0	74.4	.91	78.0	82.1	W	1.5	0.05				
7 „	.615	.759	76.6	75.5	1.1	75.1	.95	77.6	82.0	WSW	0.6	0.15				
8 „	.627	.734	78.5	77.0	1.5	76.4	.94	79.0	82.0	„	2.5					
9 „	.628	.726	77.0	76.8	0.2	76.7	.99	77.3	81.8	W b S	0.7	0.85				
10 „	.634	.782	76.6	75.4	1.2	74.9	.95	77.0	81.8	W	1.2	0.06				
11 „	.629	.732	78.2	77.0	1.2	76.5	.95	78.4	81.8	WSW	1.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ∪≀ cirro-strati; ∩≀ cumulo-strati; and ∨≀ nimbi.	
8	C	Overcast; slight rain at 12h. 14m., which lasted 6m.	
8	R	Overcast; no rain.	
8	R	" "	
8	R	Overcast with ∨≀, moving NE; light drops of rain between 3h. 20m. and 3h. 24m.	
8	R	Overcast; light rain commenced at 4h. 42m.	
8	C	Overcast; rain ceased at 5h. 18m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	C	Overcast with ∨≀, moving ENE; light rain from 9h. 46m. to 9h. 54m.	
8	C	Overcast; slight rain at 10h. 27m., which lasted 4m.	
8	C	Overcast; no rain.	
7	C	∨≀ scattered throughout, moving ENE; strong gusts of wind accompanied with drops of rain, from 0h. 45m. to 1h. 2m.	Mean daily temperature of ground 20 and 60 inches below its surface 83°1 and 85°5. Daily fall of rain by Osler's Gauge 0·37 in.
8	R	Overcast; rain and wind at 1h. 14m., and at 1h. 23m., which lasted respectively 2h. and 5m.	
8	R	Overcast; wind and rain from 2h. 54m. to 3h. 0m.	
8	R	Overcast; rain; gusts of wind blowing.	
8	R	Overcast with ∨≀, moving E; passing shower of rain at 4h. 0m.; gusts of wind from N.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	Overcast; rain at 7h. 35m., which lasted 12m.	
8	B	Overcast; a few drops of rain at 8h. 16m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	Overcast with ∨≀, moving ENE.	
8	C	Overcast; a few drops of rain at 12h. 14m.	
8	R	Overcast; no rain.	
8	R	Overcast; slight drops of rain between 2h. 18m. and 2h. 20m.	
8	R	Overcast; rain commenced at 3h. 15m.	
8	R	Overcast; raining lightly.	
8	R	Overcast; rain ceased at 5h. 20m.	
8	B	Overcast; no rain.	
8	B	Overcast; light rain between 7h. 40m. and 7h 49m.	
8	B	Overcast; no rain.	
8	C	Overcast; slight rain from 9h. 54m. to 9h. 57m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	Overcast with ∨≀, moving E; gusts of wind from W.	Mean daily temperature of ground 20 and 60 inches below its surface 83°1 and 85°5. Daily fall of rain by Osler's Gauge 0·99 in.
8	R	Overcast; rain and wind at 1h. 10m.	
8	R	Overcast; light rain from 2h. 0m. to 2h. 15m., and again from 2h. 58m. to 3h. 0m.	
8	R	Overcast; slight rain at the time of observation.	
8	R	Overcast; drops of rain between 4h. 30m. and 4h. 45m.	
8	B	Overcast; a few drops of rain at 5h. 32m.	
8	B	Overcast; drops of rain at 6h. 2m., and at 6h. 16m.	
8	B	Overcast; drops of rain at 7h. 0m., 7h. 11m., 7h. 23m., and at 7h. 42m.	
8	B	Overcast; no rain.	
8	C	Overcast; passing rain at 9h. 22m., 9h. 32m., 9h. 35m., and at 9h. 41m., which lasted 2m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	R	" "	
8	R	" "	
8	R	Overcast; slight rain from 3h. 30m. to 3h. 37m.	
8	R	Overcast; slight rain commenced at 4h. 12m.	
8	B	Overcast; raining very slightly till 5h. 30m., but light rain commenced at 5h. 46m.	
8	B	Overcast; rain ceased at 6h. 20m., but recommenced at 6h. 25m., which lasted 16m.	
8	B	Overcast; a few drops of rain at 7h. 42m.	
8	B	Overcast; rain from 8h. 7m. to 8h. 39m.	
8	C	Overcast; slight rain at 9h. 10m., and at 9h. 33m., which lasted respectively 19h. and 23m.	
8	C	Overcast; no rain.	
8	C	Overcast; light rain.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 11 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or —	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 24th-Midnight	29.620	28.749	77°7	76°2	1°5	75°6	0.94	78°0	81.8	WSW	½ to 1½	0.02				
1 a. m.	.605	.710	78.4	77.0	1.4	76.5	.94	78.4	81.7	SW b W	½ to 2					
2 „	.599	.707	78.6	77.0	1.6	76.4	.93	78.5	81.7	„	½ to 1¾					
3 „	.593	.718	78.6	76.6	2.0	75.8	.92	78.5	81.7	„	0 to 2					
4 „	.589	.698	77.7	76.7	1.0	76.3	.96	78.0	81.5	WSW	½ to 1¾	0·05				
5 „	.609	.717	78.6	77.0	1.6	76.3	.93	79.0	81.5	„	½ to 1¼					
6 „	.631	.739	78.6	77.0	1.6	76.3	.93	78.9	81.5	„	0.4					
7 „	.657	.761	79.0	77.2	1.8	76.5	.92	79.0	81.5	„	0.4					
8 „	.666	.751	80.5	78.0	2.5	77.2	.90	80.0	81.6	„	0.4					
9 „	.676	.755	81.1	78.4	2.7	77.4	.89	80.7	81.7	„	0.4					
10 „	.675	.727	81.0	79.0	2.0	78.3	.92	80.9	81.7	„	0.4		None.	None.	None.	None.
11 „	.676	.741	83.7	79.4	4.3	77.8	.83	82.2	81.9	„	0.4					
Noon.	.661	.706	84.2	80.0	4.2	78.5	.84	82.9	82.0	„	0.6					
1 p. m.	.667	.691	85.0	80.7	4.3	79.2	.83	83.4	82.0	SW b W	0.5					
2 „	.658	.708	84.6	80.0	4.6	78.3	.82	83.3	82.0	„	0.6					
3 „	.658	.722	84.5	79.7	4.8	77.9	.81	83.1	82.2	„	0.7					
4 „	.655	.739	83.1	78.7	4.4	77.1	.84	82.5	82.2	„	0.8					
5 „	.663	.768	82.0	78.0	4.0	76.5	.84	81.3	82.2	„	0·5					
6 „	.682	.796	81.0	77.5	3.5	76.1	.86	80.8	82.2	„	0.4					
7 „	.692	.817	80.2	77.0	3.2	75.8	.87	80.2	82.2	„	0.6					
8 „	.705	.821	79.4	77.0	2.4	76.1	.90	80.0	82.2	„	0.8					
9 „	.724	.842	79.5	77.0	2.5	76.0	.90	80.0	82.2	„	0.4					
10 „	.738	.840	79.6	77.4	2.2	76.6	.91	80.0	82.2	„	0.5					
11 „	.734	.850	79.4	77.0	2.4	76.1	.90	79.8	82.2	„	0.5					
July 25th-Midnight	.722	.838	79.4	77.0	2.4	76.1	.90	79.8	82.2	SW b W	0.4					
1 a. m.	.700	.816	79.4	77.0	2.4	76.1	.90	79.5	82.2	„	0.5					
2 „	.692	.804	79.0	77.0	2.0	76.2	.92	79.0	82.2	„	0.6					
3 „	.694	.809	79.3	77.0	2.3	76.1	.90	79.6	82.2	WSW	0.7					
4 „	.694	.809	79.3	77.0	2.3	76.1	.90	79.6	82.1	„	0.6					
5 „	.698	.818	79.0	76.8	2.2	75.9	.91	79.6	82.1	„	0.7					
6 „	.716	.830	79.2	77.0	2.2	76.1	.91	79.6	82.1	„	0.5					
7 „	.748	.829	79.8	78.0	1.8	77.3	.92	79.7	82.1	SW b W	0.2					
8 „	.761	.848	80.4	78.0	2.4	77.1	.90	80.3	82.0	„	0.3					
9 „	.777	.849	81.7	78.7	3.0	77.6	.88	81.1	82.0	„	0.3					
10 „	.776	.839	82.0	79.0	3.0	77.9	.88	81.5	82.0	„	0.5	0.01	None.	None.	None.	None.
11 „	.772	.813	83.8	80.0	3.8	78.6	.85	82.9	82.3	„	0.4					
Noon.	.766	.822	85.2	80.0	5.2	78.1	.80	83.9	82.4	„	0.5					
1 p. m.	.752	.810	85.4	80.0	5.4	78.1	.79	83.9	82.5	WSW	0.6					
2 „	.744	.800	85.2	80.0	5.2	78.1	.80	83.7	82.5	„	0.5					
3 „	.734	.818	83.9	79.0	4.9	77.2	.82	82.9	82.5	„	0.4					
4 „	.731	.843	82.6	78.0	4.6	76.2	.82	82.1	82.6	„	0.5					
5 „	.737	.842	82.0	78.0	4.0	76.5	.84	81.7	82.6	SW b W	0.3					
6 „	.738	.833	81.1	78.0	3.1	76.8	.87	81.4	82.6	„	0.2					
7 „	.742	.847	80.2	77.5	2.7	76.5	.89	80.5	82.5	„	0.4					
8 „	.744	.867	80.0	77.0	3.0	75.8	.88	80.0	82.5	„	0.5					
9 „	.757	.880	80.0	77.0	3.0	75.8	.88	80.2	82.5	„	0.7					
10 „	.765	.888	80.0	77.0	3.0	75.8	.88	80.2	82.5	„	0.6					
11 „	.763	.857	79.9	77.7	2.2	76.8	.91	80.1	82.5	„	0.4					
July 26th-Midnight	.750	.853	79.7	77.4	2.3	76.5	.90	80.1	82.4	SW b W	0.4					
1 a. m.	.744	.839	79.6	77.6	2.0	76.8	.92	79.8	82.4	SW	0.6					
2 „	.725	.843	79.5	77.0	2.5	76.0	.90	79.8	82.4	„	0.6					
3 „	.720	.838	79.5	77.0	2.5	76.0	.90	79.7	82.4	„	0.7					
4 „	.710	.822	79.0	77.0	2.0	76.2	.92	79.5	82.4	„	0.8					
5 „	.718	.824	79.2	77.2	2.0	76.4	.92	79.5	82.4	WSW	0.6	None.	None.	None.	None.	None.
6 „	.732	.856	79.3	76.8	2.5	75.8	.90	79.3	82.4	„	0.7					
7 „	.752	.870	79.5	77.0	2.5	76.0	.90	79.7	82.3	„	0.3					
8 „	.764	.891	80.4	77.0	3.4	75.7	.86	80.1	82.3	„	0.5					
9 „	.779	.877	81.4	78.0	3.4	76.7	.86	81.0	82.4	„	0.1					
10 „	.775	.873	81.7	78.1	3.6	76.7	.86	81.2	82.5	SW b W	0.2					
11 „	.772	.867	83.0	78.5	4.5	76.8	.82	82.0	82.5	„	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-stratí; and nimbi.	
8	C	Overcast with , moving E; rain ceased at 0h. 19m; fresh breezes of wind blowing.	Mean daily temperature of ground 20 and 60 inches below its surface 83°3 and 85°4. Daily fall of rain by Osler's Gauge 0·12 in.
8	R	Overcast; fresh breezes of wind blowing from W.	
8	R	Overcast; smart gusts of wind from W.	
8	R	Overcast; slight rain from 3h. 26m. to 4h. 0m.	
8	R	Overcast with , moving NE; a few drops of rain at 4h. 22m.	
8	B	Overcast with , moving E.	
8	B	" "	
8	B	" "	
8	B	Overcast; a break in SE; a few drops of rain at 8h. 45m.; slight rain at 8h. 50m., which lasted 2m.	
8	C	Overcast; no rain.	
8	C	" "	
7	C	scattered throughout, moving E.	
8	C	" "	
7	R	and scattered throughout, the former moving ENE.	
8	R	" " "	
8	R	" " "	
8	R	" " "	
8	B	Overcast; slight drops of rain at 5h. 57m.	
8	B	Overcast; no rain.	
8	B	Overcast; slight rain between 7h. 26m. and 7h. 33m.	
8	B	Overcast with , moving E.	
8	C	" "	
8	C	" "	
8	C	Overcast; slight rain at 11h. 13m., which lasted 2m.	
8	C	Overcast with , moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°1 and 85°2. Daily fall of rain by Osler's Gauge 0·02 in.
8	R	" "	
7	R	and scattered throughout, the former moving E.	
7	B	scattered throughout, moving E.	
8	B	" "	
8	C	" "	
8	C	" "	
8	R	" "	
8	R	scattered throughout, moving ENE.	
8	B	Overcast; light rain between 9h. 43m. and 9h. 49m.	
8	B	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	R	" "	
8	R	" "	
8	B	" "	
8	B	" "	
8	C	" "	
7	C	scattered throughout, moving E.	
8	R	" "	
7	R	and scattered throughout, the former moving E.	
8	B	Overcast with , moving ENE; a few stars dimly visible.	
8	B	Overcast with , moving E.	
8	C	" "	
8	C	Overcast with , moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 8°30 and 85°0. Daily fall of rain by Osler's Gauge 0·02 in. At 9 A. M. brometer was 29·779, highest during the month.
8	R	" "	
8	R	Overcast.	
8	R	"	
8	R	"	
8	B	"	
8	B	"	
8	B	"	
8	B	"	
8	C	"	
8	C	"	
8	C	"	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −.	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 26th-Noon.	29.757	28.831	83·0	79·0	4·0	77·5	0.84	82·3	82·5	SW	0.4					
1 p. m.	.746	.842	81.2	78.0	3.2	76.8	.87	81.0	82.5	W b S	0.2					
2 „	.730	.799	81.4	78.7	2.7	77.7	.89	81.4	82.5	WSW	0.5	0.02				
3 „	.718	.790	82.8	79.0	3.8	77·6	.85	82.1	82·5	„	0.4					
4 „	.709	.803	81·0	78.0	3.0	76·8	.88	81.0	82.5	„	0·1		None.	None.	None.	None.
5 „	.718	.833	81.1	77.5	3.6	76.1	.85	81.0	82.5	„	0.4					
6 „	.721	.829	80.5	77.5	3.0	76.4	.88	80.5	82.5	„	0.2					
7 „	.724	.847	80.0	77.0	3.0	75.8	.88	80.1	82.5	„	0.3					
8 „	.729	.841	79.7	77.2	2.5	76.2	.90	80.1	82.4	„	0.3					
9 „	.731	.849	79.5	77.0	2.5	76.0	.90	80.0	82.4	SW b W	0.4					
10 „	.734	.860	79.2	76.7	2.5	75.7	.90	79.9	82.4	„	0.4					
11 „	.728	.864	79.0	76.4	2.6	75.4	.89	79.7	82.4	„	0.3					
July 27th-Midnight	.728	.864	79.0	76.4	2.6	75.4	.89	79.7	82.4	SW	0.2					
1 a. m.	.710	.822	79.0	77.0	2.0	76.2	.92	79.3	82.3	„	0.6					
2 „	.698	.827	79.0	76·6	2.4	75.6	.90	79.0	82.3	„	0.4					
3 „	.698	·810	79.0	77.0	2.0	76.2	.92	79.2	82.2	SW b W	0.5					
4 „	.706	.851	79.0	76.0	3.0	74.8	.88	79.2	82.2	„	0.1					
5 „	·715	.856	78.8	76.2	2.6	75.2	.89	79.2	82.2	„	0.1					
6 „	.734	.864	78.9	76.5	2.4	75.6	.90	79.2	82.1	„	0.4					
7 „	.740	.834	79·2	77.5	1.7	76.8	.93	79.5	82.1	„	0.3					
8 „	.748	·859	80.8	77.5	3·3	76.3	.87	80.5	82.1	„	0.2					
9 „	.765	.866	81.6	78.0	3.6	76.6	.86	81.3	82.2	„	0.3					
10 „	.768	.849	83.6	79.0	4.6	77.3	.82	82.7	82.4	„	0.1					
11 „	.765	.874	82.4	78.0	4.4	76.3	.83	82.0	82.4	„	0.2					
Noon.	.765	.850	84.0	79.0	5.0	77.2	.81	83.0	82.5	„	0.4		None.	None.	None.	None.
1 p. m.	.755	.801	84.3	80.0	4.3	78.5	.83	83.3	82.5	„	0.5					
2 „	.743	.776	84.7	80.4	4.3	78.9	.83	83.7	82.5	„	0.3					
3 „	.732	·819	84.2	79.0	5.2	77.1	.80	83.5	82.6	„	0.1					
4 „	.721	.808	82.7	78.6	4.1	77.1	.84	82.5	82.7	„	0.5					
5 „	.715	.822	82.2	78.0	4.2	76.4	.83	82.0	82.6	SW	0.2					
6 „	.726	.842	81.2	77.5	3.7	76.1	.85	81.1	82.6	„	0.2					
7 „	.732	.857	80.2	77.0	3.2	75.8	.86	80.5	82.6	„	0.1					
8 „	.743	.866	80.0	77.0	3.0	75.8	.88	80.3	82.6	„	0.1					
9 „	.747	.855	79.4	77.2	2.2	76.4	.91	80.0	82.6	„	0.1	0.02				
10 „	.747	.855	79.4	77.2	2.2	76.4	.91	80.0	82.5	„	0.1					
11 „	.736	.844	79.4	77.2	2.2	76.4	.91	80.0	82.5	„	0.1					
July 29th-Midnight	.727	.842	79.3	77.0	2.3	76.1	.90	80.1	82.6	SW b S	0.3					
1 a. m.	.709	.824	79·3	77.0	2.3	76.1	.90	79.7	82.5	„	0.7					
2 „	.696	.810	79.2	77.0	2.2	76.1	.91	79.5	82.6	„	0.6					
3 „	.686	.798	79.0	77.0	2.0	76.2	·92	79.2	82.6	„	0.8					
4 „	.696	.808	79.0	77.0	2.0	76.2	.92	79.3	82.5	SW	0.7					
5 „	.704	.836	79.0	76.5	2.5	75.5	.90	79.3	82.4	„	0.2					
6 „	.730	.844	79·2	77.0	2.2	76.1	.91	79 3	82.4	„	0.2					
7 „	.744	.844	79.8	77.5	2.3	76.6	.90	79.9	82.4	„	0.2					
8 „	.765	.861	80·4	77.8	2.6	76.8	.89	80.2	83.4	„	0.2					
9 „	.765	.828	82.0	79.0	3.0	77.9	.88	81.9	82.5	„	0.1					
10 „	.763	.808	84.2	80.0	4.2	78.5	.84	83.1	82 6	SW b W	0.2					
11 „	.762	·832	83.4	79.2	4.2	77.7	.83	82.9	82.6	„	0.3					
Noon.	.759	.938	78.0	75.0	3.0	73.8	.87	79.1	82.6	W	0.6	0.04	None.	None.	None.	None.
1 p. m.	.751	.900	78·8	76.0	2.8	74.9	.88	79.5	82.5	WSW	0.3					
2 „	.736	.845	81.2	77.7	3.5	76.3	.86	81.0	82.5	„	0.3					
3 „	.728	.798	82.6	79.0	3.6	77.7	.85	82.0	82.5	„	0.4					
4 „	.722	.803	82.9	78.8	4.1	77.3	.80	82.2	82.6	„	0.6					
5 „	.730	.809	81.6	78·5	3.1	77.4	.87	81.6	82.6	SW b W	0.2					
6 „	.733	.828	81.1	78.0	3.1	76.8	.87	81.1	82·6	„	0.5					
7 „	.747	.855	80.5	77.5	3.0	76.4	.88	80.5	82.6	„	0.3					
8 „	·762	.859	80.5	77.8	2.7	76.7	.89	80.5	82.6	WSW	0.2					
9 „	.774	.867	80.2	77.3	2.4	76.9	.90	80.5	82.6	„	0.2					
10 „	.777	.900	80.0	77.0	3.0	75.8	.88	80.2	82.6	„	0.4					
11 „	.765	.864	80.0	77.6	2.4	76·7	.90	80.2	82.6	„	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ≀∿ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩∿ cumulo-strati; and ≀∿ nimbi.	
8	C	Overcast; slight rain from 12h. 10m. to 12h. 18m.	
8	R	Overcast; slight rain between 1h. 15m. and 1h. 22m.	
8	R	Overcast; no rain.	
8	R	Overcast; slight rain between 3h. 31m. and 3h. 33m.	
8	R	Overcast; no rain.	
8	B	" "	
8	B	" "	
7	B	≀∿ scattered throughout, moving E.	
8	B	" "	
8	C	" "	
7	C	" "	
8	C	" "	
8	C	Overcast.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 85°0. Daily fall of rain by Osler's Gauge 0·03 in.
8	R	"	
8	R	"	
8	R	"	
8	R	"	
8	B	"	
8	B	"	
8	B	"	
8	B	"	
8	C	"	
8	C	"	
8	C	"	
8	C	"	
8	R	"	
8	R	Overcast; a passing shower of rain at 2h. 25m.	
8	R	≀∿ scattered throughout, moving ENE.	
8	R	Overcast; a few drops of rain fell between 4h. 15m. and 4h. 17m.	
8	B	Overcast; no rain.	
8	B	Overcast with ≀∿, moving E.	
8	B	" "	
8	B	Overcast; light rain between 8h. 25m. and 8h. 35m.	
8	B	Overcast; no rain.	
7	B	Densely clouded; slight rain at 10h. 28m, which lasted 2m.	
7	B	Densely clouded; no rain.	
4	C	≀∿ scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 85°0. Daily fall of rain by Osler's Gauge 0·05 in.
8	R	Overcast with ≀∿, moving E.	
7	R	Densely clouded with ≀∿, moving ENE.	
5	R	≀∿ and ≀∿ scattered about, the former moving NNE.	
7	R	" " "	
8	B	Overcast with ≀∿, moving ENE.	
8	B	" "	
8	B	" "	
8	B	" "	
8	C	" "	
8	C	" "	
8	C	Overcast; light rain at 11h. 21m., which ceased at 11h. 46m.	
8	C	Overcast; no rain.	
8	R	" "	
8	R	" "	
8	R	Overcast with ≀∿, moving NE.	
8	R	" "	
8	B	Overcast with ≀∿, moving ENE.	
8	B	" "	
8	B	" "	
8	B	" "	
8	C	Overcast; slight rain at 9h. 57m, which lasted 2m.	
8	C	Overcast; no rain.	
8	C	" "	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 30th-Midnight	29.750	28.869	79°6	77°0	2°6	76°0	0·89	80°0	82°6	WSW	0.5					
1 a. m.	.726	.840	79·2	77.0	2.2	76.1	.91	79.5	82.5	,,	0.6					
2 ,,	.713	.827	79.2	77.0	2.2	76.1	.91	79.5	82.5	,,	0.3					
3 ,,	.700	.812	79.0	77.0	2.0	76.2	.92	79.5	82.5	W b S	0.5					
4 ,,	.706	.818	79.0	77·0	2.0	76.2	.92	79.5	82.5	,,	0.4					
5 ,,	.714	.829	79.3	77.0	2.3	76.1	.90	79.6	82.4	,,	0.5					
6 ,,	.734	.848	79.2	77.0	2.2	76.1	.91	79.5	82.3	WSW	0·3					
7 ,,	.752	.871	79.6	77.0	2.6	76.0	.89	79.8	82.3	W b S	0.5					
8 ,,	.761	.858	81.3	78.0	3 3	76.7	.87	81.0	82.4	,,	0.2					
9 ,,	.775	.873	82.5	78.3	4.2	76.7	.83	82.1	82.5	,,	0.2					
10 ,,	.763	.835	83.6	79.2	4.4	77.6	.83	82·7	82.5	,,	0.4					
11 ,,	·762	·848	84.2	79.0	5.2	77.5	.80	83.6	82.6	,,	0.3					
Noon.	.754	·842	83.9	78.9	5.0	77.0	.81	83.3	82.6	,,	0.1					
1 p. m.	.741	·819	83.4	79.0	4.4	77.4	.83	83.0	82·7	,,	0·3					
2 ,,	.723	.804	83.6	79.0	4.6	77.3	.82	83.0	82·7	,,	0.1					
3 ,,	·722	.799	83.3	79.0	4.3	77.4	.83	82.9	82.8	WSW	0.2					
4 ,,	·708	.820	82·6	78.0	4.6	76.2	.82	82.2	82.8	,,	0.3					
5 ,,	.705	.832	82.2	77.5	4.7	75.7	.81	82.0	82.7	,,	0.2					
6 ,,	.708	.842	81.0	77.0	4.0	75.4	.84	81.0	82.7	,,	0.2					
7 ,,	.710	·839	80.5	77.0	3.5	75.6	.86	80.6	82.7	,,	0.3					
8 ,,	.715	.840	80.2	77.0	3.2	75.8	.87	80.5	82.7	,,	0.1					
9 ,,	·722	·853	80.0	76.8	3.2	75.5	.87	80.5	82.7	,,	0.3					
10 ,,	.724	.847	80.0	77.0	3.0	75.8	.88	80.5	82.7	,,	0.4					
11 ,,	·712	.833	80.0	77.0	3.0	75.8	.88	80.4	82.7	,,	0.5					
July 31st-Midnight	.699	.820	79.8	77.0	2.8	75.9	.88	80.2	82.6	WSW	0.3					
1 a. m.	.667	.787	79.7	77.0	2.7	75·9	.89	79.9	82.6	SW b W	0.5					
2 ,,	.659	.791	79.4	76.6	2.8	75.5	.88	79·7	82.6	,,	0.4					
3 ,,	.646	.765	79.6	77.0	2.6	76.0	.89	79.8	82.5	,,	0.8					
4 ,,	.648	·764	79.4	77·0	2.4	76.1	.90	79.6	82.5	,,	0.5					
5 ,,	.662	.809	79.4	76.2	3.2	75.0	.87	79.6	82.5	,,	0.2					
6 ,,	.688	.831	79.3	76.5	2.8	75.1	.88	79.6	82·5	,,	0.5					
7 ,,	.706	.827	79.8	77.0	2.8	75.9	.88	79.9	82.5	,,	0.2					
8 ,,	.722	.817	81.1	78.0	3.1	76.8	.87	81.0	82.5	,,	0.4					
9 ,,	.722	.823	81.6	78.0	3.6	76.6	.86	81.6	82.6	,,	0.3					
10 ,,	.726	.832	82.8	78.2	4.6	76.4	.82	82.2	82.6	,,	0.4					
11 ,,	.724	.785	85.6	80.0	5.6	78.0	.79	84.0	82.7	,,	0.3					
Noon.	.714	.811	85.8	79.2	6.6	76.7	.75	84.2	82.8	,,	0.5	None.	None.	None.	None.	None.
1 p. m.	.700	.767	86.2	80.0	6.2	77.8	.77	84.5	82.8	,,	0.5					
2 ,,	.688	.774	86.0	79.5	6.5	77.1	.76	84.5	82.9	,,	0.6					
3 ,,	.682	.776	84.8	79.0	5.8	76.8	.78	84.0	83.0	,,	0.5					
4 ,,	.679	.797	83.2	78.0	5.2	76.0	.80	83.0	83.0	,,	0.3					
5 ,,	.680	.762	83.0	78.8	4.2	77.3	.83	82.5	83.0	,,	0.2					
6 ,,	.688	.819	81.8	77.3	4.5	75.5	.82	82.0	83.0	,,	0.4					
7 ,,	.697	·831	81.0	77.0	4.0	75.4	.84	81.1	83.0	,,	0.5					
8 ,,	.702	.832	80.6	77.0	3.6	75.6	.85	81.0	82 9	,,	0·3					
9 ,,	.703	.844	80.2	76.6	3.6	75.2	.85	80.8	82.9	,,	0.3					
10 ,,	.706	.829	80.0	77.0	3·0	75.8	.88	80.5	82.9	,,	0.2					
11 ,,	.696	.830	79.6	76.6	3.0	75.4	·88	80.3	82.8	,,	0.3					
Aug. 1st-Midnight	·688	.834	79.3	76.2	3.1	75.0	.87	80.0	82.8	SW b W	0.1					
1 a. m.	.668	.802	79.2	76.5	2.7	75.4	.89	79.7	82.7	,,	0.1					
2 ,,	.646	.797	79.0	76.0	3.0	74.8	·88	79·5	82.7	,,	0.3					
3 ,,	.649	.781	79.0	76.5	2.5	75.5	.90	79.5	82·7	,,	0.4					
4 ,,	.649	.800	79.0	76.0	3.0	74·8	.88	79.4	82.7	,,	0·4					
5 ,,	.664	.807	79.0	76.2	2.8	75.1	.89	79.3	82.6	,,	0.3					
6 ,,	.684	.827	79.0	76.2	2.8	75.1	.89	79.3	82.6	,,	0.2	None.	None.	None.	None.	None.
7 ,,	.699	.836	79.5	76.5	3.0	75.3	.88	79·7	82.5	,,	0.2					
8 ,,	.716	.812	81.2	78.0	3.2	76.8	·87	81.0	82.5	,,	0.3					
9 ,,	.731	.831	83.0	78.4	4.6	76.6	.82	82.4	82.6	,,	0.2					
10 ,,	.733	.811	84.5	79.3	5.2	77.4	.80	83.4	82.7	,,	0.1					
11 ,,	.736	.801	86.0	80.0	6.0	77.8	.77	84.5	82.9	,,	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩∩ cumulo-strati; and ≀≀ nimbi.	
6	C	≀≀ scattered about, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 85°0.
6	R	Clouded as before; drops of rain fell between 1h. 43m. and 1h. 48m.	
8	R	Overcast with ≀≀ and ≀≀, the former moving ENE.	
8	R	" " "	
8	R	" " "	
8	B	Overcast; a few drops of rain at 5h. 30m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	" "	
8	C	" "	
7	C	≀≀ scattered throughout, moving ENE.	
8	C	Overcast with ≀≀, moving ENE.	
8	C	Overcast.	
8	R	"	
8	R	"	
8	R	"	
8	R	Overcast with ≀≀, moving NE.	
8	B	Overcast with ≀≀, moving E.	
7	B	≀≀ scattered throughout, moving E.	
8	B	Overcast.	
8	B	"	
8	C	"	
8	C	"	
8	C	"	
8	C	Overcast with ≀≀, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°1 and 85°0.
8	R	Overcast.	
8	R	"	
8	R	"	
8	R	"	
8	B	"	
8	B	Overcast with ≀≀, moving E.	
8	B	Overcast.	
8	B	"	
8	C	"	
8	C	"	
8	C	"	
8	C	"	
8	R	"	
8	R	"	
8	R	"	
8	R	"	
8	B	"	
7	B	∩ along the E hor.; ≀≀ scattered throughout, moving E.	
8	B	∩ along the E hor.; otherwise clouded with ≀≀, moving E.	
8	B	Overcast.	
8	C	"	
6	C	≀≀ scattered about, moving E; comet dimly visible.	
7	C	" " "	
5	C	≀≀ scattered about, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°3 and 85°0.
6	R	" "	
5	R	" "	
4	R	" "	
7	R	" "	
8	B	Overcast with ≀≀, moving E.	
8	B	" "	
8	B	" "	
8	B	" "	
7	C	≀≀ scattered throughout, moving E.	
7	C	" " "	
7	C	" " "	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Strawe of Volta 1.	Readings of Strawe of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 1st-Noon	29.728	28.784	86°8	80°4	6°4	76°1	0.76	84°8	82°9	SW b W	0.2					
1 p. m.	.720	.808	86.6	79.6	7.0	77.0	.74	84.8	83.0	„	0.2					
2 „	.709	.788	87.3	80.0	7.3	77.4	.73	85.0	83.0	WSW	0.5					
3 „	.702	.773	86.5	80.0	6.5	77.6	.76	85.0	83.1	„	0.5					
4 „	.700	.772	86.6	80.0	6.6	77.6	.76	85.0	83.2	„	0.5					
5 „	.705	.836	84.4	78·0	6.4	75.5	.76	83.0	83.2	„	0.2					
6 „	.718	.830	82.6	78.0	4.6	76.2	.82	82.8	83.2	„	0.5					
7 „	.731	.867	81.2	77.0	4.2	75.4	.83	81.5	83.2	„	0.6	None.	None.	None.	None.	None.
8 „	.751	.881	80.6	77.0	3.6	75.6	.85	81·0	83.2	„	0.6					
9 „	.764	.894	80.6	77.0	3.6	75·6	.85	81.0	83.1	„	0.1					
10 „	·760	.891	80.0	76.8	3.2	75.5	.87	80.5	83.1	„	0.1					
11 „	.750	.890	79.8	76.5	3.3	75.2	.86	80.2	83.0	„	0.1					
Aug. 2nd-Midnight	.742	.881	79.7	76.5	3.2	75.2	.87	80.2	83.0	WSW	0.3					
1 a. m.	.728	.881	79.2	76.0	3.2	74.7	.87	80.0	82.9	„	0.3					
2 „	.714	.863	78.8	76·0	2.8	74.9	.88	79.7	82·9	„	0.1					
3 „	.708	.857	78.8	76.0	2.8	74.9	.88	79.6	82·8	„	0.2					
4 „	.711	.876	78.5	75.5	3.0	74.3	.88	79.2	82·8	„	0.2					
5 „	.718	.899	78.2	75.0	3.2	73.7	.87	79.0	82.8	„	0.1					
6 „	.746	.890	78.4	76.0	2.4	75.1	.90	79.0	82.7	W b S	0.3					
7 „	.765	·900	79.3	76.5	2.8	75.4	.88	79.6	82.7	„	0.1					
8 „	.781	.907	80.3	77.0	3.3	75·7	.86	80.4	82.7	„	0.2					
9 „	.797	.898	82.4	78.2	4.2	76.6	.83	81.5	82.7	„	0.2					
10 „	.796	.916	81.6	77.5	4.1	75.9	.84	81.2	82.6	„	0.3					
11 „	.795	.970	81.8	76.3	5.5	73.9	·78	81.3	82.6	WSW	0.3					
Noon.	.787	.942	82.9	77.0	5.9	74.7	.77	82.0	82.7	SW b W	0.2	None.	None.	None.	None.	None.
1 p. m.	.774	.950	79.4	75.4	4.0	73.9	.84	80.1	82.7	„	0.4					
2 „	.757	.916	80.5	76.2	4.3	74.5	.83	80.8	82.8	„	0.1					
3 „	.742	.991	82.4	77.0	5.4	74.9	.79	81.6	82.8	„	0.0					
4 „	.735	.860	82.7	77.1	5.0	75.8	.80	81.9	82.8	„	0.1					
5 „	.741	.859	83.2	78.0	5.2	76.0	.80	82.0	82.7	„	0.1					
6 „	.747	.866	81.5	77.5	4.0	76.0	.84	81.5	82.7	„	0.1					
7 „	.764	.889	80.2	77.0	3.2	75.8	.87	80.7	82.7	„	0.1					
8 „	.775	.900	80.2	77.0	3.2	75.8	.87	80.3	82·7	„	0.0					
9 „	.779	.902	80.0	77.0	3.0	75.8	.88	80.2	82.7	„	0·1					
10 „	.785	.908	80.0	77.0	3.0	75.8	.88	80.2	82.6	„	0.1					
11 „	.773	.911	79.6	76.5	3.1	75.3	.87	80.2	82.6	„	0.2					
Aug. 3rd-Midnight	.757	.904	79.4	76.2	3.2	75.0	.87	79.9	82.6	SW b W	0.2					
1 a. m.	.749	.898	78.8	76.0	2.8	74.9	·88	79.7	82.6	WSW	0.0					
2 „	.735	.881	78.5	76.0	2.5	75.0	.90	79·1	82.6	„	0.1					
3 „	.732	.876	78.4	76.0	2·4	75.1	.90	79.1	82.6	„	0.3					
4 „	.732	.876	78.4	76·0	2.4	75.1	.90	79.0	82·6	„	0.2					
5 „	.736	.883	78.6	76.0	2.6	75.0	.89	79.0	82.5	„	0.1					
6 „	.750	.897	78.6	76.0	2.6	75.0	.89	79.1	82.5	„	0.1					
7 „	.769	.866	79·8	77.6	2.2	76.7	.91	80.0	82.5	„	0.1					
8 „	.785	.890	82.0	78.0	4.0	76.5	.84	81.3	82.5	„	0.2					
9 „	.787	.877	83·7	78.8	4.9	77.0	.81	82.5	82.5	„	0.2					
10 „	.787	.883	83.5	78·6	4.9	76.8	.81	82·4	82.5	„	0.2					
11 „	.783	.811	84.8	78.2	6.6	75.6	.75	83.2	82.6	W	0.3					
Noon.	.770	.897	84.0	78.0	6.0	75.7	.77	82.9	82.6	WNW	0.1		None.	None.	None.	None.
1 p. m.	.745	.883	85.0	78.0	7.0	75.3	.74	83.8	82.8	W b N	0.1					
2 „	.734	·840	84.0	78.5	5.5	76.4	.79	83.1	82.8	„	0.2					
3 „	.716	.843	84.0	78.0	6.0	75.7	.77	83.1	82.8	WNW	0·2					
4 „	.708	.835	84.0	78.0	6.0	75.7	.77	83.0	82·9	„	0.3					
5 „	.707	.819	82.6	78.0	4.6	76.2	.82	82.4	83.0	„	0.7					
6 „	.716	.847	80.7	77.0	3.7	75·5	.85	81.0	83.0	NW b W	0.5					
7 „	.736	.847	80.8	77.5	3.3	76.3	.87	81.0	83.0	„	0.2					
8 „	.744	.844	79.8	77.5	2.3	76.6	.90	80.3	82.9	NW	0.5	0.03				
9 „	.763	.882	79.6	77.0	2.6	76.0	.89	80.0	82.9	„	0.5					
10 „	.763	.886	80.0	77.0	3.0	75.8	.88	80.2	82.9	„	0.4					
11 „	.748	.871	80.0	77.0	3.0	75.8	.88	80.0	82.9	„	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇ cirri; ⌇⌇ cirro-cumuli; ⌒ cumuli; ⌒⌇ cirro-strati; ⌒⌇ cumulo-strati; and ⌇⌇ nimbi.	
5	C	⌇ along N hor.; ⌇⌇ scattered about, moving E.	
4	R	⌇ and ⌇⌇ scattered about, the latter moving E.	
7	R	⌇⌇ scattered about, moving E.	
7	R	" "	
5	R	⌇⌇ and ⌇ scattered about, the former moving E.	
8	R	⌇⌇ scattered throughout, moving E.	
6	R	" " "	
7	R	" " "	
2	R	⌇⌇ and ⌇ scattered about hor.; comet visible in NW.	
3	B	Masses of ⌇⌇ scattered about, moving E; comet visible in NW.	
3	B	" " "	
2	B	" " "	
3	B	Masses of ⌇⌇ scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°1 and 84°8.
5	C	" " "	
6	C	" " "	
4	C	" " "	
4	C	⌇⌇ scattered about, moving E; a few drops of rain fell between 4h. 58m. and 5h. 0m.	
8	R	Overcast with ⌇⌇, moving ENE; drizzling rain between 5h. 0m. and 5h. 5m.	
8	R	⌇⌇ scattered throughout, moving E.	
7	R	" " "	
8	R	⌇⌇ scattered throughout, moving ENE.	
8	B	Overcast; drops of rain fell between 9h. 45m. and 9h. 50m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	Overcast; drizzling rain between 0h. 41m. and 0h. 43m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
4	C	⌇⌇ scattered about, moving E.	
7	R	⌇⌇, ⌇⌇, and ⌇ scattered about, the former moving E.	
8	R	⌇⌇ and ⌇ scattered about, the former moving E.	
8	R	" " "	
7	R	⌇⌇ and ⌇ scattered about, the former moving E; comet now and then dimly visible.	
8	B	Overcast with ⌇⌇, moving E; comet now and then visible.	
8	B	" " "	
5	B	⌇⌇ and ⌇ scattered about, the former moving E; comet dimly visible.	
3	B	⌇⌇ scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 84°7. Daily fall of rain by Osler's Gauge 0·03.
4	C	" "	
2	C	⌇⌇ scattered about hor.	
5	C	⌇⌇ scattered around hor. and in E hem.	
3	C	⌇⌇ scattered about, moving E.	
5	R	" "	
8	R	Overcast with ⌇⌇, moving E.	
8	R	" " "	
7	R	⌇⌇, ⌇⌇, and ⌇ scattered about, the former moving E.	
6	B	⌇⌇ scattered throughout, moving E.	
8	B	Overcast with ⌇⌇, moving E.	
8	B	" "	
8	B	" "	
8	C	" "	
8	C	" "	
6	C	⌇⌇ around hor.; ⌇ scattered throughout.	
7	C	" " "	
8	R	Overcast with ⌇⌇, moving E; passing shower of rain at 5h. 45m.	
8	R	Overcast; no rain.	
8	R	Overcast; slight rain between 7h. 22m. and 7h 32m.	
8	R	Overcast; no rain.	
8	B	"	
8	B	"	
8	B	"	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet-Bulb Thermometer.	Thermometers. Depression of Wet-Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 5th-Midnight	29.756	28.883	80°4	77°0	3°4	75°3	0.86	80°5	82°9	NW b N	0.3					
1 a. m.	.730	.853	80.0	77.0	3.0	75.8	.88	80.2	82.9	,,	0.5					
2 ,,	.722	.869	79.7	76·3	3.4	75.0	.86	80.1	82.9	,,	0.5					
3 ,,	.716	.856	79.8	76.5	3.3	75.2	.86	80.2	82.9	,,	0.6					
4 ,,	.720	.867	79.4	76.2	3.2	75.0	.87	80.0	82.8	,,	0.4					
5 ,,	.722	.854	79.4	76.6	2.8	75.5	.88	79.7	82.8	,,	0.5					
6 ,,	.744	.874	79.2	76.6	2.6	75.6	.89	79.5	82.7	,,	0.5					
7 ,,	.759	.886	80.4	77.0	3.4	75.7	.86	80.5	82.7	,,	0.4					
8 ,,	.771	.894	81.5	77.4	4.1	75.8	.84	81.2	82.7	,,	0.4					
9 ,,	.783	.904	83.5	78.0	5.0	75.9	.79	82.3	82.7	NNW	0.3					
10 ,,	.792	.881	84.4	79.0	5.4	77.0	.79	83.1	82.7	,,	0.4	Drops of rain.	None.	None.	None.	None.
11 ,,	.785	.912	84.1	78.0	6.1	75.7	.77	83.0	82.7	,,	0·2					
Noon.	.775	.876	86.2	79.2	7.0	76.6	.74	84.1	82.9	,,	0.4					
1 p. m.	.756	.893	86.0	78.3	7.7	75.3	.71	84.1	83.0	NW	0·3					
2 ,,	.744	.857	86.5	79·0	7.5	76.2	.72	84.8	83.1	,,	0·2					
3 ,,	.721	.836	86.7	79.0	7.7	76.1	.71	85.0	83.2	,,	0.4					
4 ,,	.709	.864	85.8	77·8	8.0	74.7	.70	84.1	83.2	NW b W	0.3					
5 ,,	.700	.827	84.0	78.0	6.0	75.7	.77	84.1	83.2	,,	0.5					
6 ,,	.705	.847	82.5	77.2	5·3	75.1	.79	82.5	83.2	,,	0.8					
7 ,,	.727	.869	81.7	77.0	4.7	75.1	.81	82.0	83.2	,,	0.8					
8 ,,	.761	.899	81.4	77.0	4.4	75.3	.82	81.5	83.2	NW	0·6					
9 ,,	.763	.898	81.1	77.0	4.1	75·4	.84	81.2	83.1	,,	0.3					
10 ,,	.772	.904	80.8	77.0	3.8	75.5	.85	81.1	83.0	,,	0.4					
11 ,,	.773	.918	80.6	76.6	4.0	75.0	.84	81.0	83.0	,,	0.6					
Aug. 6th-Midnight	.761	.905	80.5	76.6	3.9	75.1	.84	81.0	83.0	NW	0.4					
1 a. m.	.753	.915	80·0	76.0	4.0	74.4	.84	80.6	83.0	,,	0.4					
2 ,,	.732	.892	79.8	76.0	3.8	74.5	.85	80.4	83·0	,,	0·5					
3 ,,	.718	.867	79.6	76.2	3.4	74.9	.86	80.1	83.0	,,	0.4					
4 ,,	.726	.879	79.2	76.0	3·2	74.7	.87	80.0	83.0	,,	0.5					
5 ,,	.728	.865	79.5	76.5	3.0	75.3	.88	79.8	83.0	,,	0.4					
6 ,,	.746	.880	79.6	76.6	3.0	75.4	.88	79.7	82.9	,,	0·3					
7 ,,	.767	.896	80.5	77.0	3.5	75.6	.86	80.5	82.9	,,	0.5					
8 ,,	.786	.888	81.7	78.0	3.7	76.6	.85	81.5	82.9	,,	0·3					
9 ,,	.801	.926	83·8	78.0	5.8	75.8	.78	82.8	82.9	,,	0.3					
10 ,,	.792	.890	85.2	79.0	6.2	76.7	.76	83.9	83.0	,,	0.5	Drops of rain.	None.	None.	None.	None.
11 ,,	.786	.929	86.2	78.2	8.0	75.1	.70	84.3	83.0	,,	0.4					
Noon.	.768	.909	87.2	78.5	8.7	75.5	.68	84·9	83.0	,,	0.4					
1 p. m.	.763	.890	87.8	79.0	8.8	75.7	.68	85.6	83.2	,,	0.2					
2 ,,	.735	.895	88.0	79.0	9.0	75.6	.68	85.9	83.3	,,	0.4					
3 ,,	.712	.864	87.0	78.2	8.8	74.8	.68	85.3	83.3	,,	0.5					
4 ,,	.695	.837	86.5	78·3	8.2	75.1	.70	85.0	83.4	NW b W	0.5					
5 ,,	.685	.808	85.6	78.5	7·1	75.8	.74	84.5	83.4	,,	0·7					
6 ,,	.690	.816	83·3	77.8	5.5	75.7	.79	83.0	83.5	,,	0.8					
7 ,,	.716	.863	82.2	77.0	5.2	75.0	.80	82.3	83.4	NW	0.7					
8 ,,	.738	.879	81.6	77.0	4.6	75.2	.82	81.9	83.4	,,	0.5					
9 ,,	.753	.907	81.4	76.6	4.8	74.7	.81	81.8	83.2	,,	0.5					
10 ,,	.758	.925	81.2	76.2	5.0	74.2	.80	81.3	83.2	,,	0.6					
11 ,,	.757	.911	81.0	76.5	4.5	74.7	.82	81.1	83.1	,,	0.5					
Aug. 7th-Midnight	.753	.886	80.9	77.0	3.9	75.5	.84	81.1	83.1	NW	0.6					
1 a. m.	.745	.875	80.6	77.0	3.6	75.6	.86	81·1	83.2	,,	0·5					
2 ,,	.731	.869	80.3	76.7	3.6	75.3	.86	81.0	83.2	,,	0.3					
3 ,,	.728	.840	79.0	77.0	2.0	76·2	.92	80.1	83.1	NW b N	0.1	0.02				
4 ,,	.723	.831	78.6	77.0	1.6	76·4	.93	79.3	83.1	,,	0.4					
5 ,,	.726	.833	78.5	77.0	1.5	76.4	.94	79.0	83.1	,,	0.3					
6 ,,	.752	.855	78.2	77.0	1.2	76.5	.95	79.0	83.0	,,	0.1		None.	None.	None.	None.
7 ,,	.765	.854	79.4	77.7	1·7	77.0	.93	80.0	83.0	NNW	0.1					
8 ,,	.765	.843	81.5	78.5	3.0	77.4	.88	81.3	83.0	,,	0.4					
9 ,,	.771	.870	82.9	78·4	4.5	76.7	.82	82.1	83.0	,,	0·3					
10 ,,	.770	.860	82.6	78.5	4·1	77.0	·84	82.0	83.0	,,	0.5					
11 ,,	.752	.843	84.5	79.0	5.5	76.9	.79	83.2	83.0	,,	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ≀⌒ cirro-strati; ⌒⌒ cumulo-strati and ≀≀ nimbi.	
3	B	≀≀ scattered about hor, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 84°6.
4	C	≀≀ scattered about, moving ENE; drizzling rain 1h. 4m.	
5	C	≀≀ scattered about, moving ENE.	
5	C	≀≀ scattered about, moving E.	
6	C	" "	
7	R	" "	
8	R	" "	
8	R	" "	
8	R	" "	
6	B	≀≀ and ≀ scattered about, the former moving ENE.	
7	B	" " "	
7	B	" " "	
7	B	≀≀ and ≀ scattered about, the former moving E.	
8	C	" " "	
6	C	≀≀ and ≀ scattered about, the former moving ESE.	
7	C	" " "	
7	C	" " "	
8	R	≀≀ and ≀ scattered about, the former moving E.	
7	R	≀≀ scattered throughout, moving E.	
6	R	≀≀ scattered throughout, moving ESE.	
6	R	" "	
3	B	≀≀ scattered about hor.	
3	B	≀≀ scattered about, moving ESE.	
4	B	" "	
5	B	≀≀ scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 84°5. At 9 A. M. the Barometer was 29·801, highest during the month; at 2 P. M. temperature of air was 88·0, highest during the month.
7	C	" "	
5	C	" "	
4	C	" "	
3	C	" "	
8	R	Overcast; a few drops of rain between 5h. 0m. and 5h. 20m.	
8	R	Overcast with ≀≀, moving ESE.	
8	R	" "	
7	R	Overcast with ≀≀, moving SE.	
8	B	" "	
8	B	≀≀ and ≀ scattered about, the former moving SSE.	
7	B	" " "	
6	B	≀≀ around hor., moving SE; ≀ scattered throughout.	
7	C	" " "	
5	C	" " "	
6	C	A few patches of ≀≀ above S hor.; ≀≀ around hor., moving SE; ≀ scattered throughout.	
7	C	≀≀ around hor., moving SE; ≀ scattered throughout.	
7	R	" " "	
7	R	" " "	
8	R	≀≀ scattered throughout, moving SE.	
7	R	" "	
8	B	Overcast with ≀≀, moving SE; a few stars dimly visible.	
5	B	≀≀ scattered about, moving SE.	
6	B	" "	
7	B	≀≀ scattered throughout, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 84°4. This was the 22nd day on which lightning was observed after sunset.
6	C	" "	
7	C	Densely clouded with ≀≀; light rain from 2h. 26m. to 2h. 28m., and from 2h. 22m. to 2h. 43m.	
8	C	Overcast; drizzling rain from 3h. 0m. to 3h. 9m.	
8	C	Overcast; slight rain from 4h. 20m. to 4h. 58m.	
8	R	Overcast; no rain.	
8	R	" "	
6	R	≀≀ scattered about, moving SE.	
5	R	≀≀ around hor.; ≀ scattered throughout.	
7	B	≀≀ and ≀ scattered throughout, the former moving SE.	
8	B	Overcast with ≀≀ and ≀, the former moving SE.	
8	B	" " "	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering some degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 7th-Noon.	29.740	28.809	86·4	80·0	6·4	78·7	0.76	84·5	83·1	NNW	0.4					
1 p. m.	.713	.828	84.0	78.3	5.7	76.1	.78	83.6	83.2	NW	0.5					
2 „	.695	.806	86.4	79.0	7.4	76.3	.73	84.9	83.2	„	0.6					
3 „	.669	.766	85.8	79.2	6.6	76.7	.75	84.5	83.4	NW b N	0.6					
4 „	.660	.760	85.4	79.0	6.4	76.6	.76	84.3	83.4	NW	0.5					
5 „	.668	.776	84.2	78.5	5.7	76.4	.78	83.5	83.4	„	0.8	None.	None.	None.	None.	None.
6 „	.684	.792	82.3	78.0	4.3	76.4	.83	82.5	83.4	„	0.6					
7 „	.707	.843	81.2	77.0	4.2	75.4	.83	81.5	83.4	„	0.8					
8 „	.725	.859	81.0	77.0	4.0	75.4	.84	81.0	83.3	„	0.5					
9 „	.725	.857	80.8	77.0	3.8	75.5	.85	81.0	83.2	„	0.2					
10 „	.727	.859	80.8	77.0	3.8	75.5	.85	81.0	83.1	„	0.6					
11 „	.727	.857	80.6	77.0	3.6	75.6	.86	81.0	83.1	„	0.6					
Aug. 8th-Midnight	.725	.852	80.4	77.0	3.4	75.7	.86	81.0	83.1	NW	0.5					
1 a. m.	.710	.837	80.4	77.0	3.4	75.7	.86	81.0	83.1	„	0.4					
2 „	.710	.818	80.5	77.5	3.0	76.4	.88	80.9	83.1	„	0.4					
3 „	.691	.807	79.4	77.0	2.4	76.1	.90	80.1	83.1	„	0.4	0.14				
4 „	.696	.828	79.4	76.6	2.8	75.5	.88	80.0	83.0	„	0.8					
5 „	.708	.805	79.5	77.5	2.0	76.7	.92	80.0	83.0	„	0.3					
6 „	.730	.844	79.2	77.0	2.2	76.1	.91	80.0	83.0	„	0.4					
7 „	.752	.868	79.4	77.0	2.4	76.1	.90	80.0	83.0	„	0.6					
8 „	.752	.877	80.2	77.0	3.2	75.8	.87	80.5	83.0	„	0.6					
9 „	.763	.895	80.8	77.0	3.8	75.5	.85	80.5	83.0	NW b N	0.8					
10 „	.762	.894	80.8	77.0	3.8	75.5	.85	80.8	83.0	NW	0.7					
11 „	.759	.903	81.2	76.8	4.4	75.1	.82	80.9	83.0	NW b N	0.5					
Noon.	.758	.890	81.6	77.2	4.4	75.5	.83	81.2	83.0	„	0.5					
1 p. m.	.743	.880	82·8	77.4	5.4	75.3	.78	82.1	83.0	NW	0.4		None.	None.	None.	None.
2 „	.724	.847	83.6	78.0	5.6	75.8	.78	82.9	83.0	„	0.3					
3 „	.708	.835	84.0	78.0	6.0	75.7	.77	83.0	83.0	„	0.4					
4 „	.700	.831	84.4	78.0	6.4	75.5	.76	83.3	83.0	„	0.5					
5 „	.690	.809	83.3	78.0	5.3	76.0	.79	82.6	83.0	„	0.3					
6 „	.693	.831	81.4	77.0	4.4	75.3	.82	81.5	83.0	„	0.5					
7 „	.708	.835	80.4	77.0	3.4	75.7	.86	80.6	83.0	„	0.4					
8 „	.714	.855	80.2	76.6	3.6	75.2	.85	80.6	83.0	„	0.6					
9 „	.731	.877	79.9	76.4	3.5	75.0	.86	80.2	82.9	„	0.5					
10 „	.732	.878	79.9	76.4	3.5	75.0	.86	80.2	82.8	„	0.3					
11 „	.728	.880	79.8	76.2	3.6	74.8	.85	80.2	82.8	„	0.5					
Aug. 9th-Midnight	.717	.875	79.6	76.0	3.6	74.6	.85	80.1	82.7	NW	0.6					
1 a. m.	.723	.870	79.7	76.3	3.4	75.0	.86	80.2	82.8	„	0.6					
2 „	.713	.832	79.6	77.0	2.6	76.0	.89	80.0	82.8	„	0.5					
3 „	.712	.859	79.4	76.2	3.2	75.0	.87	80.0	82.7	„	0.8					
4 „	.717	.866	79.2	76.1	3.1	74.9	.87	79.8	82.7	„	0.6					
5 „	.723	.874	79.0	76.0	3.0	74.8	.88	79.0	82.7	„	0.5					
6 „	.734	.868	79.2	76.5	2.7	75.4	.89	79.3	82.6	„	0.3					
7 „	.747	.874	78.6	76.5	2.1	75.7	.91	79.1	82.6	„	0.1					
8 „	.765	.913	80.5	76.5	4.0	74.9	.84	80.4	82.6	„	0.1					
9 „	.767	.886	81.8	77.6	4.2	76.0	.83	81.2	82.7	„	0.2					
10 „	.772	.911	82.2	77.2	5.0	75.2	.80	81.5	82.7	„	0.3	None.	None.	None.	None.	None.
11 „	.754	.881	84.0	78.0	6.0	75.7	.77	82.9	82.7	„	0.2					
Noon.	.738	.877	85.8	78.2	7.6	75.2	.72	83.9	82.8	„	0.3					
1 p. m.	.716	.830	86.6	79.0	7.6	76.1	.72	84.5	82.9	„	0.3					
2 „	.694	.826	86.8	78.6	8.2	75.5	.70	84.9	83.0	„	0.3					
3 „	.681	.814	86.5	78.5	8.0	75.5	.71	84.6	83.1	„	0.3					
4 „	.669	.799	86.6	78.6	8.0	75.6	.71	84.6	83.1	„	0.2					
5 „	.667	.800	84.5	78.0	6.5	75.5	.75	83.5	83.0	„	0.6					
6 „	.675	.803	83.0	77.7	5.3	75.6	.79	82.6	83.1	„	0.4					
7 „	.692	.834	81.7	77.0	4.7	75.1	.81	81.8	83.2	„	0.7					
8 „	.719	.855	81.2	77.0	4.2	75.4	.83	81.4	83.1	„	0.5					
9 „	.730	.858	81.2	77.2	4.0	75.6	.84	81.2	83.0	„	0.5					
10 „	.742	.888	80.7	76.6	4.1	75.0	.84	81.0	83.0	„	0.4					
11 „	.738	.868	80.6	77.0	3.6	75.7	.85	81.0	83.0	„	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ≀∩ cirro-strati; ∩∩ cumulo-strati; and ≀∩ nimbi.	
8	B	Overcast with ≀∩ and ≀, the former moving SE.	
8	C	" " "	
6	C	≀∩ around hor.; ≀ scattered about.	
7	C	" "	
7	C	" "	
7	R	≀∩ scattered throughout, moving SE.	
7	R	" "	
7	R	≀∩ and ≀ scattered throughout, the former moving SE; lightning in N at 7h. 45m.	
5	R	Clouded with ≀∩ and ≀; lightning in ENE hor. after long intervals.	
6	B	Clouded as before; lightning in E hor. every ½m.	
6	B	Clouded as before; lightning in ENE hor. in every ½m.	
8	B	" " "	
7	B	≀∩ and ≀ scattered throughout, the former moving SE; lightning in ENE, at intervals of 1m. 40s.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 84°4. Daily fall of rain by Osler's Gauge 0·19 in. This was the 23rd day on which lightning was observed after sunset.
7	C	Clouded as before; lightning in ENE, at intervals of 1m. 7s.	
8	C	Overcast with ≀∩, moving SE; lightning in ENE; light rain at 2h. 5m., which ceased at 2h. 27m.	
8	C	Overcast; no rain.	
8	C	Overcast; a few drops of rain commenced to fall after 4h 55m.	
8	R	Overcast; rain ceased at 5h. 7m., but recommenced at 5h. 6m.	
8	R	Overcast; rain ceased at 6h. 30m.	
8	R	Overcast; no rain.	
8	R	" "	
8	B	" "	
8	B	Overcast; drops of rain commenced to fall after 10h. 6m.	
8	B	Overcast; rain ceased at 11h. 32m.	
8	B	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	C	" "	
7	C	≀∩ and ≀ scatttered throughout, the former moving SE.	
7	R	" " "	
8	R	Overcast with ≀∩, moving SE.	
8	R	" "	
7	R	≀∩ and ≀ scattered throughout, the former moving SE.	
8	B	Overcast with ≀∩ and ≀; a few stars dimly visible.	
4	B	≀∩ and ≀ scattered about, the former moving SE.	
7	B	" " "	
7	B	≀∩ scattered throughout, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 84°3.
8	C	Overcast; a few stars dimly visible in E.	
7	C	≀∩ scattered throughout; a few drops of rain between 2h. 10m. and 2h. 14m.	
6	C	≀∩ scattered about, moving SE.	
6	C	" "	
6	R	" "	
8	R	Overcast with ≀∩; slight rain from 6h. 39m. to 6h. 48m.	
8	R	Overcast; no rain.	
8	R	" "	
8	B	" "	
8	B	" "	
7	B	≀∩ and ≀ scattered throughout, the former moving SE.	
4	B	≀∩ around hor.; ≀ scattered about.	
3	C	≀∩ and ≀ scattered about hor.	
3	C	∩ in E hor.; ≀ and ≀∩ scattered about.	
4	C	" "	
6	C	∩ in E hor.; ≀, ≀∩, and ≀∩ scattered about.	
7	R	≀∩ around hor.; ≀ and ≀∩ scattered throughout.	
8	R	≀ around hor.; ≀∩ scattered throughout, moving SE.	
8	R	" " "	
8	R	Overcast with ≀∩, moving ESE; a few stars dimly visible.	
5	B	≀∩ scattered about, moving SE.	
6	B	≀∩ and ≀ scattered about, the former moving SE.	
7	B	" " "	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Readings of			Interval of Time in recovering same degree of tension after discharge.
													Sign of Electricity + or −	Straws of Volts 1.	Straws of Volts 2.	
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 10th-Midnight	29.734	28.864	80°6	77°0	3°6	75°6	0.85	81°0	83.0	NW	0.3					
1 a. m.	.717	.847	80.6	77.0	3.6	75.6	.85	81.0	83.0	„	0.4					
2 „	.701	.818	80.2	77.2	3.0	76.0	.88	80.6	83.0	„	0.4					
3 „	.693	.816	80.0	77.0	3.0	75.8	.88	80.4	83.0	„	0.2					
4 „	.685	.808	80.0	77.0	3.0	75.8	.88	80.4	83.0	NW b W	0.4					
5 „	.694	.813	79.6	77.0	2.6	76.0	.89	80.0	83.0	„	0.5					
6 „	.712	.831	79.6	77.0	2.6	76.0	.89	79.9	83.0	„	0.4					
7 „	.728	.851	80.0	77.0	3.0	75.8	.88	80.2	83.0	„	0.4					
8 „	.744	.856	82.6	78.0	4.6	76.2	.82	82.0	83.0	„	0.5					
9 „	.755	.841	82.6	78.6	4.0	77.1	.84	82.1	83.0	„	0.1					
10 „	.756	.836	82.8	78.8	4.0	77.3	.84	82.6	83.0	„	0.1		None.	None.	None.	None.
11 „	.756	.830	81.1	78.5	2.6	77.5	.89	81.5	83.0	„	0.1	0.10				
Noon.	.734	.797	83.8	79.5	4.3	77.9	.83	82.8	83.0	„	0.1					
1 p. m.	.716	.807	85.3	79.2	6.1	76.9	.77	84.0	83.1	WNW	0.2					
2 „	.697	.770	86.0	79.8	6.2	77.6	.77	84.3	83.2	„	0.1					
3 „	.689	.772	85.6	80.2	5.4	77.2	.80	84.1	83.2	„	0.3					
4 „	.676	.751	84.6	79.4	5.2	77.5	.80	83.6	83.2	„	0.4					
5 „	.673	.791	83.2	78.0	5.2	76.0	.80	82.9	83.2	„	0.4					
6 „	.695	.817	81.8	77.5	4.3	75.9	.83	82.0	83.2	„	0.3					
7 „	.715	.849	81.0	77.0	4.0	75.4	.84	81.4	83.2	NW b W	0.2					
8 „	.752	.908	80.2	76.2	4.0	74.6	.84	80.9	83.1	„	0.4					
9 „	.763	.888	80.2	77.0	3.2	75.8	.87	80.8	83.1	„	0.2					
10 „	.769	.881	79.0	77.0	2.0	76.2	.92	79.4	83.0	NW	0.4	0.24				
11 „	.765	.859	79.2	77.5	1.7	76.8	.93	79.8	83.0	„	0.1	0·01				
Aug. 12th-Midnight	.710	.817	80.7	77.6	3.1	76.4	.87	81.1	83.0	NW	0.6					
1 a. m.	.696	.783	80.4	78.0	2.4	77.1	.90	80.9	83.0	NW b W	0.4					
2 „	.694	.796	78.1	77.0	1.1	76.6	.95	79.2	83.0	NW	0.2	0.42				
3 „	.684	.808	76.5	76.0	0.5	75.8	.98	78.0	82.8	NW b N	0.1	0·72				
4 „	.683	.804	76.6	76.1	0.5	75.9	.98	78.1	82.8	„	0.1	0.30				
5 „	.689	.807	76.0	76.0	0.0	76.0	1.00	77.0	82.6	„	0.5	0.20				
6 „	.702	.854	75.5	75.0	0.5	74.8	0.98	77.0	82.5	„	0.4	0.01				
7 „	.716	.881	76.7	75.0	1.7	74.3	.93	77.3	82.5	„	0.3					
8 „	.737	.860	78.2	76.5	1.7	75.8	.93	78.5	82.5	„	0.2					
9 „	.749	.877	78.7	76.5	2.2	75.6	.91	78.9	82.5	„	0.3					
10 „	.751	.888	78.5	76.2	2.3	75.3	.90	78.9	82.5	NNW	0.4		None.	None.	None.	None.
11 „	.751	.906	77.2	75.4	1.8	74.7	.97	78.0	82.3	„	0.5					
Noon.	.737	.878	77.3	75.8	1.5	75.2	.98	77.9	82.3	N b W	0.3					
1 p.m.	.709	.852	78.3	76.0	2.3	75.1	.90	78.6	82.3	NNW	0.1					
2 „	.673	.772	80.0	77.6	2.4	76.7	.90	79.9	82.3	„	0.1					
3 „	.660	.803	80.0	76.5	3.5	75.1	.86	80.0	82.3	„	0.1					
4 „	.643	.783	79.4	76.4	3.0	75.2	.88	79.7	82.3	NW b N	0.3					
5 „	.648	.758	78.8	77.0	1.8	76.3	.92	79.3	82.2	„	0.3					
6 „	.665	.796	77.2	76.0	1.2	75.5	.95	78.4	82.2	W b N	0.1	0.05				
7 „	.673	.802	77.0	76.0	1.0	75.6	.96	78.0	82.1	W	0.1					
8 „	.679	.789	77.0	76.5	0.5	76.3	.98	77.9	82.0	„	0.1					
9 „	.705	.840	76.8	75.8	1.0	75.4	.96	77.5	81.9	W b N	0.4					
10 „	.706	.860	76.5	75.2	1.3	74.7	.94	77.1	81.8	„	0.6					
11 „	.698	.853	75.8	75.0	0.8	74.7	.97	76.4	81.7	„	0.5					
Aug. 13th-Midnight	.686	.856	75.5	74.5	1.0	74.1	.96	76.4	81.6	W b N	0.4					
1 a. m.	.670	.843	75.4	74.4	1.0	74.0	.96	76.4	81.5	„	0.2					
2 „	.652	.804	75.5	75.0	0.5	74.8	.98	77.0	81.5	„	0.1					
3 „	.654	.807	75.6	75.0	0.6	74.7	.97	76.9	81.6	„	0.2					
4 „	.656	.809	75.6	75.0	0.6	74.7	.97	76.9	81.6	„	0.1					
5 „	.670	.818	75.2	75.0	0.2	74.9	.99	76.3	81.5	„	0.2	0.15				
6 „	.670	.808	75.3	75.3	0.0	75.3	1.00	76.5	81.5	„	0.2	0.20	None.	None.	None.	None.
7 „	.676	.807	75.8	75.6	0.2	75 5	0.99	77.0	81.5	„	0.1	0.01				
8 „	.680	.781	78.0	77.0	1.0	76.6	.96	78.2	81.5	„	0.2					
9 „	.684	.796	79.0	77.0	2.0	76.2	.92	79.0	81.4	„	0.1					
10 „	.687	.802	79.3	77.0	2.3	76.1	.90	79.5	81.4	WSW	0.5					
11 „	.684	.804	80.5	77.2	3.3	75.9	.87	80.5	81.5	SW	0.6					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈ cirro-cumuli; ≈ cumuli; ≈ cirro-strati; ≈ cumulo-strati; and ≈ nimbi.	
5	B	≈ and ≈ scattered about, the former moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 84°3. Daily fall of rain by Osler's Gauge 0·20 in.
6	C	" " "	
4	C	≈ around hor.; ≈ scattered throughout.	
4	C	≈ scattered about hor., moving SE.	
3	C	" "	
6	R	≈ scattered throughout; slight rain at 5h. 9m.	
8	R	Overcast no rain.	
8	R	≈ and ≈ scattered throughout, the former moving E.	
7	R	" " "	
8	B	Overcast with ≈, moving SE.	
8	B	Overcast; light rain from 10h. 16m. to 10h. 34m.	
7	B	≈ and ≈ scattered throughout, the former moving ESE.	
7	B	" " "	
7	C	" " "	
6	C	" " "	
7	C	≈ and ≈ scattered throughout, the former moving SE.	
6	C	" " "	
6	C	≈ around hor.; ≈ scattered about.	
5	C	≈ and ≈ scattered about, the former moving SE.	
4	C	≈ around hor.; ≈ scattered throughout.	
3	C	≈ around hor.; ≈ scattered about W hem.	
4	C	≈ scattered about; rain commenced at 9h. 50m.	
8	C	Overcast; rain ceased at 10h. 12m.	
6	C	≈ scattered about, moving SE.	
8	B	Overcast with ≈, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°9 and 84°2. Daily fall of rain by Osler's Gauge 1·80 in. This was the 24th day on which lightning was seen after sunset.
8	C	Overcast; raining from the time of observation; a single instance of lightning and thunder about zenith, at 1h. 32m.	
8	C	Overcast; raining lightly.	
8	C	" "	
8	C	" "	
8	R	Overcast; rain ceased at 5h. 24m.	
8	R	Overcast with ≈, moving E.	
8	R	" "	
8	R	" "	
8	B	Overcast with ≈, moving SE.	
8	B	Overcast; slight rain after 10h. 50m.	
8	B	Overcast; slight rain.	
8	B	" "	
8	C	" "	
8	C	Overcast; slight rain ceased at 2h. 7m.	
8	C	Overcast; no rain.	
8	C	" "	
8	R	Overcast; light rain from 5h. 18m. to 5h. 30m.	
8	R	Overcast; no rain.	
8	R	" "	
8	R	" "	
8	B	Overcast; slight rain from 9h. 2m. to 9h. 5m.	
8	B	Overcast; slight rain from 10h. 44m. to 10h. 49m.	
8	B	Overcast; no rain.	
8	B	Overcast with ≈, moving SE; rain commenced at 0h. 25m.	Mean daily temperature of ground 20 and 60 inches below its surface 82°9 and 84°2. Daily fall of rain by Osler's Gauge 0·58 in; at 5 A. M. temperature of air was 75°2, lowest in the month. This was the 22nd day on which the wind blew abnormally.
8	C	Overcast; rain ceased at 1h. 47m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	Overcast; rain between 4h. 2m. and 4h. 60m.	
8	R	Overcast; raining.	
8	R	Overcast; rain ceased at 6h. 25m.	
8	R	≈ scattered about, moving E.	
6	R	" "	
7	B	" "	
8	B	Overcast with ≈, moving E.	
8	B	Overcast with ≈, moving ENE.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 13th–Noon.	29.669	28.774	80·2	77·5	2·7	76·5	0.89	80·2	81·5	S b E	0.7					
1 p. m.	.648	.698	82.3	79.4	2.9	78.3	.88	81.6	81.7	S	0.5					
2 „	.626	.728	83.2	78.4	4.8	76.6	.81	82.1	81.7	SSW	0.4					
3 „	.614	.739	81.7	77.4	4.3	75·8	.83	81.4	81·6	W	0.6					
4 „	.612	.724	79·0	77.0	2.0	76·2	.92	79.5	81.5	WNW	0·6					
5 „	.606	.698	77.2	77.0	0.2	76.9	.99	78.0	81.6	„	0.8	0.01	None.	None.	None.	None.
6 „	.610	.703	77.3	77.0	0.3	76.9	.99	78.0	81.5	„	0.8	0.04				
7 „	.627	.742	77.5	76.5	1.0	76.1	.96	78.0	81.6	„	0.8					
8 „	.648	.747	77.8	77.0	0.8	76.7	.97	78.0	81.5	„	0.7					
9 „	.674	.799	77.4	76.2	1.2	75.8	.95	78.0	81.5	„	0.5					
10 „	.670	.790	77.6	76.4	1.2	75.9	.95	78.0	81.5	„	0.5					
11 „	.655	.788	76.6	75.8	0.8	75.5	.97	77.4	81.5	NW	0.6	0.14				
Aug. 14th–Midnight	.667	.731	77.4	77.0	0.4	76.8	.98	78.1	81.5	WNW	0.2	0.32				
1 a. m.	.630	.750	76.2	76.0	0.2	75.9	.99	76.7	81.5	WNW	1.5	0.14				
2 „	.622	.734	76.5	76·3	0.2	76.2	.99	77.2	81.5	NW b W	1.0	0.42				
3 „	.607	.725	76.0	76.0	0.0	76.0	1.00	77.0	81.4	W	0.5	0.33				
4 „	.604	.728	76.5	76.0	0.5	75.8	0.98	77.4	81.4	WSW	0.8	0.29				
5 „	.616	.706	77.0	77.0	0.0	77.0	1.00	77.0	81.4	„	0.7	0.21				
6 „	.630	.724	77.4	77.0	0.4	76.8	0.98	77.6	81.3	SW b W	0.5	0.34				
7 „	.643	.740	77·2	77.0	0.2	76.9	.99	77.7	81.3	„	0.5	0.65				
8 „	.665	.742	77.7	77.5	0·2	77.4	.99	77.9	81.3	WSW	0.5	0.11				
9 „	.690	.787	77.6	77.0	0.6	76.7	.97	78.1	81.3	„	0.6	0.08				
10 „	.684	.781	77.6	77.0	0.6	76.7	.97	78.1	81.2	„	0.2	0.11				
11 „	.674	.775	78.0	77.0	1.0	76.6	.96	78.3	81.2	„	0.4	0.05				
Noon.	.666	.786	76.9	76.2	0.7	75.9	.97	77.4	81.2	W	0.3	0.16				
1 p. m.	.638	.771	77.4	76.0	1.4	75·5	.94	77.9	81.3	WNW	0.7	0.51				
2 „	.624	.750	76.7	76.0	0.7	75.7	.97	77.4	81.3	„	0.5	0.06				
3 „	.606	.756	76.8	75.4	1.4	74.8	.94	77.3	81.2	W	0.4	0.00				
4 „	.604	.732	76.9	76.0	0.9	75.6	.96	77.5	81.1	„	0.3	0.00				
5 „	.608	.715	76.8	76.5	0.3	76.4	.99	77.4	81.1	„	0.1	0.19				
6 „	.614	.736	76.4	76.0	0.4	75.9	.98	77.0	81.1	W b N	0.5	0.13				
7 „	.636	.751	75.7	76.0	0.3	76.1	1.00	76.0	81.0	„	0.7	0.90	+	20	20	Instantly.
8 „	.644	.764	76.2	76.0	0.2	75.9	0.99	76.6	81.0	„	0.6	0.16				
9 „	.657	.807	76.4	75.3	1.1	74.8	.95	76.8	81.0	W	0.8	0.18				
10 „	.663	.799	76.2	75.6	0.6	75.4	.97	76.8	80.9	SW b W	0.3	0.15				
11 „	.644	.760	76.6	76.2	0.4	76.1	.98	77.0	80.9	„	0.2	0.00				
Aug. 15th–Midnight	.634	.773	76.1	75.5	0.6	75.2	.97	77.0	80.9	WSW	0.5	0.07				
1 a. m.	.616	.736	76·2	76.0	0.2	75.9	.99	77.2	80.9	„	0.7					
2 „	.610	.749	76.1	75.5	0.6	75.2	.97	76.7	80.8	W	1.5	0.03				
3 „	.601	.739	76.0	75.5	0.5	75.3	.98	76.6	80.8	„	0.7	0.30	+	6	5	0·05
4 „	.597	.715	76.0	76.0	0.0	76.0	1.00	76.6	80.8	WNW.	0.6	0.24	+	16	14	0.01
5 „	.603	.721	76.0	76.0	0.0	76.0	1.00	76.5	80.6	„	0.8	0.09				
6 „	.621	.740	76·1	76.0	0.1	76.0	1.00	77.0	80.5	W	0.8	0.15				
7 „	.635	.756	76.3	76.0	0.3	75.9	0.99	76·7	80.7	W b N	0.7	0.10				
8 „	.652	.779	76·8	76.0	0.8	75.7	.97	77.2	80.6	W b S	0.6					
9 „	.661	.814	77.2	76·3	0.9	74.7	.96	77.3	80.6	WSW	0.3	0.01				
10 „	.662	.785	76.5	76.0	0.5	75.8	.98	76.8	80.6	W	0.6	0.03				
11 „	.648	.784	76.2	75.6	0.6	75.4	.97	76.5	80.6	WNW	0.7	0.21				
Noon.	.641	.764	76.5	76.0	0.5	75.8	.98	76.8	80.6	„	0.3	0·10				
1 p. m.	.621	.748	78·0	76.5	1.5	75.9	.93	78.1	80.7	NW b W	0.3					
2 „	.604	.712	77.6	76.7	0.9	76.4	.96	78.0	80.7	„	0.0					
3 „	.588	.712	76.9	76.1	0.8	75.8	.97	77.4	80.6	„	0.1	0.23				
4 „	.577	.691	76.7	76.3	0.4	76.1	.98	77.2	80.6	NW	0.1	0.05				
5 „	.576	.675	77.8	77·0	0.8	76.7	.97	78.0	80.6	„	0.1					
6 „	.590	.700	77.0	76.5	0.5	76.3	.98	77.5	80·6	W b N	0.6	0.01				
7 „	.605	.725	76.2	76.0	0.2	75.9	.99	77.0	80.6	NW b W	0.1	0.01				
8 „	.624	.754	76.1	75.7	0.4	75.6	.98	76.8	80.6	„	0.5	0.11				
9 „	.637	.783	75.7	75.2	0.5	75.0	.98	76.5	80.5	„	0.0	0.02				
10 „	.641	.769	76.2	75.8	0.4	75.6	.98	76.9	80.4	„	0.1	0.01				
11 „	.633	.776	75.5	75.2	0.3	75·1	.99	76.5	80.4	„	0.0	0.02				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : cirri ; cirro-cumuli ; cumuli ; cirro-strati ; cumulo-strati ; and nimbi.	
8	B	Overcast with , moving NE ; a break in SW.	
7	C	and scattered about, the former moving NE.	
8	C	Overcast with , moving NE.	
8	C	Overcast with , moving ENE.	
8	C	Overcast ; rain commenced at 4h. 8m.	
8	R	Overcast ; rain ceased at 5h. 16m. ; fell between 5h. 20m. and 5h. 30m.	
8	R	Overcast with , moving E.	
8	R	" "	
8	R	" "	
8	B	Overcast with , moving SE.	
8	B	Overcast ; light rain between 10h. 7m. and 10h. 35m.	
8	B	Overcast with , moving ESE ; rain commenced at 11h. 2m.	
8	B	Overcast with , moving ESE ; rain ceased at 0h. 14m., but recommenced at 0h. 19m.	Mean daily temperature of ground 20 and 60 inches below its surface 82°6 and 84°0. Daily fall of rain by Osler's Gauge 5·41 in. This was the 23rd day on which the wind blew abnormally.
8	C	Overcast ; raining lightly.	
8	C	" "	
8	C	" "	
8	C	" "	
8	R	" "	
8	R	Overcast with , moving E ; raining.	
8	R	" "	
8	R	" "	
8	R	" "	
8	B	" "	
8	B	" "	
8	B	Overcast ; rain ceased at 12h. 54m.	
8	C	Overcast ; rain commenced at 1h. 7m.	
8	C	Overcast ; rain ceased at 2h. 50m.	
8	C	Overcast ; rain commenced at 3h. 42m.	
8	C	Overcast ; raining.	
8	R	Overcast ; rain ceased at 5h. 9m., and recommenced at 5h. 39m., which ceased at 6h. 0m.	
8	R	Overcast ; rain commenced from 6h. 14m.	
8	R	Overcast ; raining.	
8	R	" "	
8	B	" "	
8	B	" "	
8	B	Overcast ; rain ceased at 11h. 45m.	
8	B	Overcast with , moving E ; slight rain commenced at 0h. 3m.	Mean daily temperature of ground 20 and 60 inches below its surface 82°4 and 84°0. Daily fall of rain by Osler's Gauge 1·66 in.
8	C	Overcast ; rain ceased at 1h. 17m. ; wind and rain at 1h. 52m.	
8	C	Overcast with , moving E ; rain and wind.	
8	C	Overcast ; raining.	
8	C	" "	
8	R	" "	
8	R	" "	
8	R	Overcast ; rain ceased at 7h. 48m.	
8	R	Overcast ; rain commenced at 8h. 45m.	
8	B	Overcast ; rain ceased at 9h. 22m., but recommenced at 9h. 50m.	
8	B	Overcast ; raining.	
8	B	" "	
8	B	" "	
8	C	" "	
8	C	" "	
8	C	Overcast ; rain ceased at 3h. 39m.	
8	C	Overcast ; no rain.	
8	R	Overcast ; slight rain between 5h. 17m. and 5h. 40m.	
8	R	Overcast ; slight rain between 6h. 17m. and 7h. 0m.	
8	R	Overcast ; raining from 7h. 30m.	
8	R	Overcast ; raining.	
8	B	Overcast ; slight rain.	
8	B	" "	
8	B	Overcast ; rain ceased at 11h. 56m.	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer 1 Inch in the Ground.	Thermometer 9 Inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 16th-Midnight	29.613	28.757	75°6	75°2	0°4	75°1	0.98	76°8	80°5	NW b W	0.0	0.03				
1 a. m.	.597	.739	75.7	75.3	0.4	75.1	.98	76.8	80.5	„	0.1					
2 „	.573	.714	75.6	75.3	0.3	75.2	.99	76.9	80.5	WNW	0.0					
3 „	.569	.704	75.8	75.5	0.3	75.4	.99	77.0	80.5	„	0.2					
4 „	.564	.682	76.0	76.0	0.0	76.0	1.00	77.0	80.5	W	0.3					
5 „	.562	.682	76.2	76.0	0.2	75.9	0.99	76.7	80.5	W b S	0.1					
6 „	.576	.695	76.1	76.0	0.1	76.0	1.00	77.0	80.5	„	0.4					
7 „	.589	.697	76.9	76.5	0.4	76.4	0.98	77.6	80.5	„	0.6					
8 „	.610	.709	77.8	77.0	0.8	76.7	.97	78.4	80.5	WSW	0.7					
9 „	.623	.728	78.7	77.1	1.6	76.5	.93	79.0	80.5	„	0.5					
10 „	.633	.716	80.0	78.0	2.0	77.2	.92	80.0	80.5	SW b W	0.7					
11 „	.628	.705	80.2	78.2	2.0	77.4	.92	80.2	80.5	SW	0.5		None.	None.	None.	None.
Noon.	.611	.664	81.1	79.0	2.1	78.2	.91	80.5	80.5	SSW	0.4					
1 p. m.	.593	.661	80.1	78.4	1.7	77.7	.93	80.1	80.6	WSW	0.4					
2 „	.571	.674	78.2	77.0	1.2	76.5	.95	79.0	80.6	W b S	0.5					
3 „	.560	.693	78.8	76.4	2.4	75.5	.90	79.1	80.7	WSW	0.8					
4 „	.555	.690	79.3	76.5	2.8	75.4	.88	79.5	80.8	SW b W	0.7					
5 „	.555	.665	78.8	77.0	1.8	76.3	.92	79.0	80.9	„	1.0					
6 „	.563	.664	78.0	77.0	1.0	76.6	.96	78.5	80.9	SW	1.0	0.03				
7 „	.584	.687	78.2	76.0	1.2	76.5	.95	78.5	80.9	„	0.8					
8 „	.612	.741	77.7	76.2	1.5	75.6	.94	78.0	80.9	W b S	0.8					
9 „	.638	.790	77.3	75.5	1.8	74.8	.92	77.5	80.7	W	0.7					
10 „	.642	.774	77.3	76.0	1.3	75.5	.94	77.5	80.6	„	0.3					
11 „	.628	.757	77.0	76.0	1.0	75.6	.96	77.5	80.6	„	0.2	0.10				
Aug. 17th-Midnight	.602	.757	76.6	75.2	1.4	74.7	.94	77.3	80.6	W	0.3					
1 a. m.	.584	.711	76.8	76.0	0.8	75.7	.96	77.5	80.6	„	0.2					
2 „	.559	.674	77.5	76.5	1.0	76.1	.96	78.0	80.7	WSW	0.3					
3 „	.551	.686	77.5	76.0	1.5	75.4	.94	78.1	80.7	SW	0.3					
4 „	.555	.680	77.4	76.2	1.2	75.8	.95	78.0	80.6	„	0.5					
5 „	.554	.690	77.6	76.0	1.6	75.4	.93	78.0	80.6	„	0.5	0.03				
6 „	.574	.698	76.5	76.0	0.5	75.8	.98	77.0	80.7	„	0.1	0.20				
7 „	.586	.712	76.7	76.0	0.7	75.7	.97	77.0	80.5	NW b W	0.1	0.24				
8 „	.606	.684	77.8	77.5	0.3	77.4	.99	78.0	80.6	„	0.4	0.16				
9 „	.632	.697	78.4	78.0	0.4	77.8	.98	79.1	80.6	„	0.2					
10 „	.634	.700	80.4	78.5	1.9	77.8	.92	80.0	80.6	„	0.2					
11 „	.630	.736	79.2	77.2	2.0	76.4	.92	79.2	80.7	W b N	0.2					
Noon.	.624	.760	77.6	76.0	1.6	75.4	.93	77.8	80.7	„	0.3	0.25	None.	None.	None.	None.
1 p. m.	.608	.715	76.8	76.5	0.3	76.4	.99	77.5	80.7	WNW	0.3	0.40				
2 „	.587	.695	76.5	76.4	0.1	76.4	1.00	77.3	80.6	W	0.1	0.38				
3 „	.569	.661	77.2	77.0	0.2	76.9	0.99	77.6	80.6	„	0.1	0.16				
4 „	.555	.656	78.0	77.0	1.0	76.6	.96	77.9	80.6	„	0.2	0.04				
5 „	.555	.652	77.6	77.0	0.6	76.7	.97	77.9	80.6	„	0.2	0.08				
6 „	.568	.691	77.2	76.2	1.0	75.8	.96	77.5	80.6	„	0.2	0.03				
7 „	.587	.710	77.2	76.2	1.0	75.8	.96	77.5	80.6	WNW	0.3	0.03				
8 „	.606	.714	77.4	76.8	0.6	76.4	.97	77.6	80.6	„	0.3	0.08				
9 „	.618	.714	77.5	77.0	0.5	76.8	.98	77.6	80.5	„	0.4	0.04				
10 „	.639	.764	76.6	76.0	0.6	75.8	.98	77.0	80.4	NW b W	0.4	0.25				
11 „	.632	.742	77.0	76.5	0.5	76.3	.98	77.5	80.4	NW	0.5	0.02				
Aug. 20th-Midnight	.518	.643	76.6	76.0	0.6	75.8	.97	77.0	80.3	NW b W	1.2	0.03				
1 a. m.	.508	.630	76.4	76.0	0.4	75.9	.98	76.9	80.3	WNW	1.5	0.01				
2 „	.496	.622	76.0	75.8	0.2	75.7	.99	76.5	80.3	NW b W	1.2	0.10				
3 „	.494	.615	76.3	76.0	0.3	75.9	.99	76.7	80.3	„	1.5	0.13				
4 „	.494	.614	76.2	76.0	0.2	75.9	.99	76.6	80.3	NW	1.5	0.08				
5 „	.518	.639	76.3	76.0	0.3	75.9	.99	76.5	80.2	„	1.0	0.01	None.	None.	None.	None.
6 „	.532	.650	76.0	76.0	0.0	76.0	1.00	76.5	80.2	NW b W	0.7	0.06				
7 „	.562	.669	76.8	76.5	0.3	76.4	0.99	77.0	80.2	WNW	0.6					
8 „	.579	.695	76.6	76.2	0.4	76.1	.98	77.0	80.2	„	0.7	0.01				
9 „	.597	.722	76.6	76.0	0.6	75.8	.97	77.1	80.2	„	0.6					
10 „	.596	.724	76.9	76.0	0.9	75.6	.96	77.1	80.2	W b N	0.5	0.05				
11 „	.597	.702	78.4	77.0	1.4	76.5	.94	78.2	80.2	„	0.7					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
8	B	Overcast with , moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 84°0. Daily fall of rain by Oslers' Gauge 0·19 in. This was the 24th day on which the wind blew abnormally.
8	C	Overcast; slight rain from 1h. 7m. to 1h. 48m.	
8	C	Overcast; no rain.	
7	C	scattered throughout, moving ENE.	
8	C	Overcast; a few stars dimly visible in E.	
8	R	Overcast.	
8	R	"	
8	R	"	
8	R	"	
8	N	above W and SW hor.; scattered throughout, moving E.	
8	N	Overcast with , moving ENE.	
7	N	" "	
8	N	Overcast; drizzling rain after the time of observation.	
8	C	Overcast; rain ceased at 1h. 42m.	
8	C	Overcast; no rain.	
8	C	Overcast with , moving NE.	
8	C	" "	
8	R	Overcast; slight rain between 5h. 40m. and 5h. 52m.	
8	R	Overcast; passing rain at 6h. 52m.	
8	R	Overcast; a few drops of rain at the time of observation.	
8	R	Overcast; no rain.	
8	B	Overcast with , moving ENE.	
8	B	Overcast; light rain from 10h. 5m. to 10h. 16m., and from 10h. 42m. to 11h. 60m.	
8	B	Overcast; rain ceased at 11h. 7m.	
8	B	Overcast with , moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 84°0. Daily fall of rain by Oslers' Gauge 2·32 in. This was the 25th day on which the wind blew abnormally.
8	C	" "	
8	C	" "	
8	C	" "	
8	C	Overcast; rain commenced at 4h. 0m., and ceased at 4h. 42m.	
8	R	Overcast; rain commenced at 6h. 37m.	
8	R	Overcast; rain ceased at 6h 9m., but recommenced at 6h. 20m.	
8	R	Overcast; raining.	
8	R	Overcast; rain ceased at 8h. 20m.	
8	B	Overcast with , moving E.	
8	B	Overcast; drizzling rain after 10h. 56m.	
8	B	Overcast with , moving ENE; rain ceased at 11h. 2m., but recommenced at 11h. 25m.	
8	B	Overcast with , moving E; raining.	
8	C	" " "	
8	C	Overcast with , moving ENE; raining.	
8	C	Overcast; raining.	
8	C	Overcast; rain ceased at 4h. 15m., but recommenced at 4h. 45m., which lasted 12m.	
8	B	Overcast; slight rain between 5h. 34m. and 5h. 38m.	
8	B	Overcast; slight rain now and then.	
8	B	Overcast; light rain from 7h. 16m. to 7h. 28m.	
8	B	Overcast with , moving E; light rain from 8h. 18m. to 8h. 28m., and after 8h 56m.	
8	B	Overcast; rain ceased at 9h. 4m., but recommenced at 9h. 25m., which ceased at 9h. 45m.	
8	B	Overcast with , moving ENE; rain from 10h. 30m. to 10h. 40m.	
8	B	Overcast; slight rain after 11h. 6m.	
8	B	Overcast with , moving E; rain ceased at 0h. 10m., but recommenced at 0h. 53m.; fresh breezes of wind blowing.	Mean daily temperature of ground 20 and 60 inches below its surface 81°6 and 84°0. Daily fall of rain by Oslers' Gauge 0·49 in. The 18th day of August was the 26th day on which the wind blew abnormally; at 3 A. M. standard barometer was 29·494, lowest during the month.
8	C	Overcast; raining lightly; fresh breezes of wind blowing.	
8	C	Overcast; rain ceased at 2h. 34m.; fresh breezes of wind blowing.	
8	C	Overcast; light rain from 3h. 0m. to 3h. 25m.; fresh breezes of wind blowing.	
8	C	Overcast; slight rain after 4h. 56m.; fresh breezes of wind blowing.	
8	R	Overcast; rain ceased at 5h. 30m., but recommenced at 5h. 45m., which lasted 15m.	
8	R	Overcast; rain commenced at 6h. 58m.	
8	R	Overcast; rain ceased at 7h. 34m.	
8	R	Overcast; rain commenced at 8h. 0m.	
8	B	Overcast; slight rain falling.	
8	B	Overcast; rain ceased at 10h. 4m.	
8	B	Overcast; no rain.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Strawsof Volta 1.	Electrical Instruments. Readings of Strawsof Volta 2.	Electrical Instruments. Interval of Time in Seconds between the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 20th-Noon.	29.588	28.698	78°8	77°0	1°8	76°4	0.92	78°6	80°2	W b N	0.8					
1 p. m.	.574	.680	79.2	77.2	2.0	76.5	.92	79.3	80.2	SW b W	0.7					
2 „	.558	.696	78.6	76.2	2.4	75.3	.90	78.8	80.3	„	0.5	0.02				
3 „	.542	.652	78.8	77.0	1.8	76.3	.92	79.0	80.3	„	0.4	0.01				
4 „	.534	.646	79.0	77.0	2.0	76.2	.92	79.2	80.3	„	0.6					
5 „	.538	.650	79.0	77·0	2.0	76.2	.92	79.1	80.4	„	0.5					
6 „	.554	.655	77.6	76.9	0.7	76.6	.97	78.0	80.3	WSW	0.4		None.	None.	None.	None.
7 „	.566	.662	77.5	77.0	0.5	76.8	.98	78.0	80.4	„	0.5	0.02				
8 „	.585	.693	76.9	76.5	0.4	76.4	.98	77·5	80.4	W	0.1	0.03				
9 „	.611	.723	77.6	76.6	1.0	76·2	.96	78.1	80.4	SW b W	0.7					
10 „	.620	.737	77.7	76.5	1.2	76.0	.95	78.1	80.4	WSW	0.8					
11 „	.622	.725	78.2	77.0	1.2	76.5	.95	78.2	80.3	„	0.7					
Aug. 21st-Midnight	.605	.708	78.2	77.0	1.2	76.5	.95	78.1	80.4	WSW	0.8					
1 a. m.	.594	.697	78.2	77.0	1.2	76.5	.95	78.4	80.4	„	1.0					
2 „	.582	.720	77.8	76·0	1.8	75.3	.92	78.2	80·4	„	0.6					
3 „	.578	.724	76.0	75.3	0.7	75.0	.97	76.7	80·4	W	0.8	0·28				
4 „	.588	.690	77.1	76.7	0.4	76.6	.98	77.5	80·4	WSW	0.7	0.07				
5 „	.602	.699	77.6	77.0	0.6	76.7	.98	77.6	80.4	„	0.6					
6 „	.620	.727	77.8	76.8	1.0	76.4	.96	78.0	80.4	„	0.6					
7 „	.644	.747	78.2	77.0	1.2	76.5	.95	78.0	80.3	„	0.2					
8 „	.661	.733	79.0	78.0	1.0	77·6	.96	79.0	80.4	„	0.5					
9 „	.674	.790	79.4	77.0	2.4	76.1	.90	79.3	80.4	„	0.2					
10 „	.684	.761	80.6	78.3	2.3	77.4	.90	80.0	80.4	„	0.3					
11 „	.683	.747	80.2	78.5	1.7	77.9	.93	79.6	80.4	„	0.3	0.02				
Noon.	.664	.765	81.6	78.0	3.6	76.6	.86	80.8	80.5	„	0.7		None.	None.	None.	None.
1 p. m.	.648	.759	80.8	77.5	3.3	76.3	.87	80.5	80.5	„	0.4					
2 „	.634	.675	82.3	79.6	2.7	78.6	.89	81.2	80.6	„	0·3					
3 „	.626	.692	82·3	79.0	3.3	77.8	.87	81.6	80.6	„	0.6					
4 „	.626	.716	81.4	78.2	3.2	77.0	.87	81.0	80.7	„	0.7					
5 „	.624	.707	80.0	78.0	2.0	77.2	.92	80.0	80.7	„	0.7	0.04				
6 „	.648	.735	79.4	78.0	1.4	77.1	.94	79.5	80.6	„	0.5					
7 „	.665	.775	78.8	77.0	1.8	76.3	.92	79.0	80.7	„	1.0					
8 „	.685	.795	78.8	77.0	1.8	76.3	.92	79.0	80·7	„	1.0					
9 „	.703	.813	78.8	77.0	1.8	76.3	.92	79.0	80.7	„	0·6					
10 „	.709	.829	78.7	76.7	2.0	75.9	.92	79.0	80.7	„	0.6					
11 „	.699	.809	78.8	77.0	1.8	76.3	.92	79.0	80.7	„	0.3					
Aug. 22nd-Midnight	.688	.804	78.0	76.6	1.4	76.1	.94	78.5	80.6	WSW	0.6					
1 a. m.	.667	.796	77.0	76.0	1.0	75.6	.96	78.0	80.7	„	0.3					
2 „	.654	.779	77.7	76.3	1.4	75.8	.94	78·4	80.7	W b S	0.5	0.01				
3 „	.644	.745	78.0	77.0	1·0	76.6	.96	78.5	80.7	WSW	0.4					
4 „	.642	.756	77.8	76·6	1.2	76.1	.95	78.3	80·6	„	0.7	0.08				
5 „	.645	.746	78.0	77.0	1.0	76.6	.96	78.0	80.6	„	0.8					
6 „	.654	.755	78.0	77.0	1.0	76.6	.96	78.2	80.7	„	0.6					
7 „	.675	.791	78·0	76.6	1.4	76.1	.94	78.4	80.5	„	0.8					
8 „	.699	.786	79.2	77.7	1.5	77.1	.94	79.0	80.6	„	0.6					
9 „	.723	.823	79·8	77.5	2.3	76.6	.90	79.3	80.6	„	0.6					
10 „	.726	.807	80.6	78·2	2.4	77.3	.90	80·0	80.6	„	0.8					
11 „	.725	.791	82.3	79.0	3.3	77.8	.87	81.2	80.6	„	0.8		None.	None.	None.	None.
Noon.	.722	.787	82.2	79.0	3.2	77.8	.87	81.2	80.7	„	0.8					
1 p. m.	.708	.799	81.8	78.3	3.5	76.9	.86	81.3	80.8	„	0.6					
2 „	.786	·752	80.8	78.6	2.2	77.8	.91	80.8	80.8	„	0.5	0.03				
3 „	.674	.759	81.3	78.3	3.0	77.2	.88	81.0	80.9	„	0·3					
4 „	.669	.764	80.3	77.8	2.5	76.8	.90	80.2	81·0	„	0.6					
5 „	.670	.786	78.6	76.8	1.8	76.1	.92	79.0	81.0	„	0.8					
6 „	.677	.793	78.6	76.8	1.8	76·1	.92	79.0	81.0	„	0.8					
7 „	.687	.792	78.4	77.0	1.4	76.5	.94	78.6	81.0	„	1.0					
8 „	.709	.830	78.0	76.5	1.5	75.9	.94	78.2	81.0	„	1.5					
9 „	.724	.863	77.9	76.0	1.9	75.2	.92	78.2	80.9	„	1.0					
10 „	.733	.860	76.6	76.2	1.4	75.7	.94	78.0	80.9	„	1.0	0.14				
11 „	.733	.873	78.0	76.0	2.0	75.2	.92	78.3	80.9	W b S	1.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∩≀ cirro-strati; ∩∩ cumulo-strati; and ≀≀ nimbi.	
8	B	Overcast with ≀≀, moving ENE.	
8	C	Overcast; rain commenced at 1h. 55m.	
8	C	Overcast; rain ceased at 2h. 17m.	
8	C	Overcast with ≀≀, moving NE; drizzling rain from 3h. 7m. to 3h. 11m.	
8	C	Overcast; a passing shower of rain at 4h 30m.	
8	R	Overcast; slight rain from 5h. 23m. to 5h. 31m.	
8	R	Overcast with ≀≀, moving ENE; passing showers of rain at 6h. 12m., 6h. 35m., and at 6h. 50m.	
8	R	Overcast; light rain accompanied with wind, from 7h. 43m. to 7h. 50m.	
8	R	Overcast; a few drops of rain at 8h. 40m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	Overcast with ≀≀, moving E.	
8	B	Overcast with ≀≀, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 81°4 and 83°9. Daily fall of rain by Osler's Gauge 0·41 in.
8	C	" "	
8	C	Overcast; light rain after 2h. 30m.	
8	C	Overcast; rain ceased at 3h. 12m., but recommenced at 3h. 50m., which lasted 9m.	
8	C	Overcast; gusts of wind from 4h. 30m. to 4h. 45m.	
8	R	Overcast; a few drops of rain at 5h. 12m.	
8	R	Overcast; no rain.	
8	R	Overcast with ≀≀, moving ENE; slight rain from 7h. 0m. to 7h. 5m.	
8	R	Overcast with ≀≀, moving NE.	
8	B	Overcast with ≀≀, moving ENE.	
8	B	Overcast; light rain between 10h. 10m. and 10h. 35m.	
8	B	Overcast; no rain.	
8	B	Overcast; drizzling rain at 12h. 3m., which lasted 6m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	≀≀ scattered throughout, moving E; slight rain from 3h. 51m. to 3h. 59m.	
8	C	Overcast; light rain at 4h. 8m., which lasted 7m.	
8	R	Overcast; very light rain commenced at 5h. 4m.	
8	R	Overcast; passing showers of rain at 6h. 0m., and at 4h. 20m.	
8	R	Overcast with ≀≀, moving NE.	
6	R	≀≀ scattered throughout, moving ENE; slight rain at 8h. 20m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	Overcast; a lunar-halo; very light rain at 11h. 30m., which lasted 5m.	
8	B	Overcast with ∩≀ and ≀, the former moving ENE; a partial lunar-halo; passing light rain at 0h. 30m.	Mean daily temperature of ground 20 and 60 inches below its surface 81°3 and 83°9. Daily fall of rain by Osler's Gauge 0·26 in.
8	C	Overcast; a partial lunar-halo; light rain from 1h. 22m. to 1h. 34m.	
8	C	Overcast; a lunar-halo.	
8	C	Overcast; a shower of rain at 3h. 27m., which lasted 2m.	
8	C	Overcast; a lunar-halo observed at 4h. 58m.; fresh breezes of wind from 4h. 35m.	
8	R	Overcast; no rain.	
8	R	Overcast; slight rain from 6h. 23m. to 6h. 30m.	
8	R	Overcast; no rain.	
8	R	" "	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	Overcast; slight rain at 12h. 49m.	
8	C	Overcast with ≀≀, moving E; rain at 1h. 20m., which lasted 7m., but recommenced at 1h. 31m.	
8	C	Overcast; rain ceased at 2h. 15m.	
8	C	Overcast; no rain.	
8	C	Overcast; slight rain at 4h. 38m., which lasted 2m.	
8	R	Overcast; no rain.	
8	R	Overcast with ≀≀, moving NE; fresh breezes of wind blowing.	
8	R	Overcast; fresh breezes of wind blowing.	
7	R	≀≀ and ≀ scattered throughout, the former moving NE; fresh breezes of wind; rain from 8h. 45m. to 8h. 50m.	
8	B	Overcast with ≀≀, moving ENE; rain from 9h. 18m. to 9h. 24m.; fresh breezes of wind.	
8	B	Overcast; a lunar-halo.	
8	B	Overcast; passing rain at 11h. 55m.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or−	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 23rd-Midnight	29.732	28.872	78°0	76°0	2°0	75°2	.92	78°3	80°9	W b S	1.2					
1 a. m.	.720	.860	78.0	76.0	2.0	75.2	.92	78.4	80.8	WSW	1.0					
2 „	.705	.844	77.9	76.0	1.9	75.2	.92	78.4	80.8	„	1.0					
3 „	.695	.835	78.0	76.0	2.0	75.2	.92	78.3	80.8	„	0.6					
4 „	.689	.829	78.0	76.0	2.0	75.2	.92	78.3	80.7	„	0.7					
5 „	.692	.813	78.0	76.5	1.5	75.9	.94	78.0	80.7	„	0.7	0.01				
6 „	.700	.830	77.8	76.2	1.6	75.6	.93	78.0	80.7	„	0.7					
7 „	.718	.826	78.6	77.0	1.6	76.4	.93	79.0	80.7	„	0.7					
8 „	.734	.846	79.0	77.0	2.0	76.2	.92	79.0	80.7	„	0.6					
9 „	.748	.910	80.0	76.0	4.0	74.4	.84	79.6	80.7	„	1.3					
10 „	.757	.891	79.2	76.5	2.7	75.4	.89	79.2	80.7	W	1.3	0.05				
11 „	.753	.888	79.3	76.5	2.8	75.4	.88	79.1	80.7	WSW	1.5	0.03	None.	None.	None.	None.
Noon.	.742	.844	78.8	77.2	1.6	76.6	.93	78.8	80.7	„	0.4					
1 p. m.	.724	.849	80.2	77.0	3.2	75.8	.87	80.0	80.8	„	1.5					
2 „	.706	.791	81.7	78.4	3.3	77.2	.87	81.0	80.8	„	1.0					
3 „	.696	.806	80.7	77.5	3.2	76.3	.87	80.6	80.8	„	0.6	0.01				
4 „	.684	.804	79.7	77.0	2.7	75.9	.89	79.8	80.8	„	0.8					
5 „	.691	.823	79.0	76.5	2.5	75.5	.90	79.1	80.9	„	1.0					
6 „	.711	.839	78.7	76.5	2.2	75.6	.91	78.8	80.8	„	1.0					
7 „	.732	.885	77.0	75.4	1.6	74.7	.93	77.8	80.9	„	0.7					
8 „	.738	.895	76.0	75.0	1.0	74.6	.96	77.0	80.9	W	0.5	0.14				
9 „	.751	.884	77.4	76.0	1.4	75.5	.94	78.0	80.7	WSW	0.6					
10 „	.756	.894	77.8	76.0	1.8	75.3	.92	78.1	80.7	„	0.8					
11 „	.755	.895	78.0	76.0	2.0	75.2	.92	78.1	80.7	„	0.8					
Aug. 24th-Midnight	.744	.880	77.6	76.0	1.6	75.4	.93	78.0	80.6	WSW	1.0	0.05				
1 a. m.	.726	.855	77.0	76.0	1.0	75.6	.96	77.8	80.6	SW b W	0.6	0.04				
2 „	.704	.837	77.4	76.0	1.4	75.5	.94	78.0	80.6	„	0.8					
3 „	.696	.832	77.6	76.0	1.6	75.4	.93	78.0	80.6	„	1.0					
4 „	.696	.847	77.6	75.6	2.0	74.8	.92	78.1	80.6	SW	0.7					
5 „	.702	.840	77.8	76.0	1.8	75.3	.92	77.8	80.6	„	0.7					
6 „	.714	.849	77.5	76.0	1.5	75.4	.94	77.9	80.5	„	0.6					
7 „	.734	.859	76.6	76.0	0.6	75.8	.97	77.4	80.6	„	0.5	0.08				
8 „	.746	.864	77.8	76.5	1.3	76.0	.94	78.0	80.5	„	0.7					
9 „	.757	.856	79.7	77.5	2.2	77.0	.91	79.2	80.5	„	0.6					
10 „	.764	.927	77.6	75.3	2.3	74.4	.90	78.0	80.5	WSW	0.7	0.07				
11 „	.756	.901	79.2	76.2	3.0	75.0	.88	79.0	80.6	„	0.5	0.08	None.	None.	None.	None.
Noon.	.741	.860	81.5	77.5	4.0	76.0	.84	80.2	80.6	SW b W	0.5					
1 p. m.	.720	.812	80.8	78.0	2.8	76.9	.88	80.2	80.6	„	0.7					
2 „	.696	.785	82.0	78.4	3.6	77.0	.86	81.0	80.7	„	0.3					
3 „	.681	.781	81.5	78.0	3.5	76.6	.86	80.9	80.7	„	0.4					
4 „	.682	.831	78.8	76.0	2.8	74.9	.88	79.3	80.7	WSW	0.3					
5 „	.684	.803	79.6	77.0	2.6	76.0	.89	79.7	80.8	SW b W	0.5					
6 „	.690	.820	79.2	76.6	2.6	75.6	.89	79.6	80.8	„	0.4					
7 „	.719	.857	78.6	76.2	2.4	75.3	.90	78.9	80.8	SW	0.5					
8 „	.738	.882	78.4	76.0	2.4	75.1	.90	78.8	80.7	„	0.3					
9 „	.754	.880	78.5	76.5	2.0	75.7	.92	79.0	80.7	„	0.3					
10 „	.763	.907	78.4	76.0	2.4	75.1	.90	78.9	80.7	„	0.4					
11 „	.753	.896	78.3	76.0	2.3	75.1	.90	78.7	80.7	„	0.5					
Aug. 26th-Midnight	.740	.875	78.3	76.2	2.1	75.4	.91	78.3	81.1	S b W	1.0					
1 a. m.	.732	.855	78.6	76.6	2.0	75.8	.92	78.8	81.1	SSW	1.0					
2 „	.722	.829	77.8	76.8	1.0	76.4	.96	78.7	81.1	„	0.4	0.17				
3 „	.713	.825	77.6	76.6	1.0	76.2	.96	78.4	81.0	SW	0.7	0.05				
4 „	.717	.853	77.6	76.0	1.6	75.4	.93	78.2	81.0	„	0.8	0.10				
5 „	.721	.815	77.4	77.0	1.4	76.8	.98	78.0	81.0	„	0.4		None.	None.	None.	None.
6 „	.736	.843	77.8	76.8	1.0	76.4	.96	78.0	81.0	„	0.3					
7 „	.750	.883	77.4	76.0	1.4	75.5	.94	78.0	81.0	WSW	0.4					
8 „	.763	.868	78.4	77.0	1.4	76.5	.94	78.5	81.0	„	0.6					
9 „	.770	.862	79.0	77.5	1.5	76.9	.94	78.9	80.9	„	0.4					
10 „	.783	.872	79.8	77.8	2.0	77.0	.92	79.5	80.9	„	0.3					
11 „	.774	.860	80.3	78.0	2.3	77.1	.90	80.8	80.9	„	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿≀ cirro-cumuli; ⌒≀ cumuli; ∿≀ cirro-strati; ⌒≀ cumulo-strati; and ∿≀ nimbi.	
8	B	Overcast with ∿≀ and ∿, the former moving E; a lunar-halo; fresh breezes.	Mean daily temperature of ground 20 and 60 inches below its surface 81°2 and 83°8. Daily fall of rain by Osler's Gauge 0·28 in.
8	C	Overcast; a lunar-halo; wind; passing rain at 1h. 14m.	
8	C	Overcast; fresh breezes of wind.	
8	C	Overcast; wind; passing rain at 3h. 12m.	
8	C	Overcast; wind; slight rain from 4h. 50m. to 4h. 59m.	
8	R	Overcast with ∿≀, moving ENE; passing rain at 5h. 50m.; fresh breezes of wind.	
8	R	Overcast; light breezes of wind.	
8	R	" "	
8	R	Overcast with ∿≀, moving NE.	
8	B	Overcast with ∿≀, moving ENE; slight rain at 9h. 3m.; a shower of rain at 9h. 45m.	
8	B	Overcast; light rain from 10h. 4m. to 10h. 11m.; gusts of wind.	
8	B	Overcast; rain and wind at 11h. 1m., and 11h. 55m., which lasted respectively 4h. and 2m.	
8	B	Overcast; slight rain at 12h. 2m., and at 12h. 20m., which lasted 2m,	
8	C	Overcast with ∿≀, moving NE; slight rain at 1h. 12m.	
8	C	Overcast; slight rain at 2h. 33m., which lasted 3m.	
8	C	Overcast; slight drizzling rain at 3h. 64m.	
8	C	Overcast; no rain.	
8	R	" "	
8	R	Overcast with ∿≀, moving ENE; slight rain from 6h. 0m. to 6h. 8m.	
8	R	Overcast; rain accompanied with wind from 7h. 27m. to 7h. 50m.	
8	R	∿≀ scattered throughout, moving E; a few stars dimly visible about zenith.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	Overcast; a shower of rain from 11h. 40m. to 11h. 42m.	
8	B	Overcast with ∿≀, moving E; rain from 0h. 8m. to 0h. 18m.	Mean daily temperature of ground 20 and 60 inches below its surface 81°1 and 83°7. Daily fall of rain by Osler's Gauge 0·34 in.
7	C	∿≀ scattered throughout, moving ENE.	
8	C	Overcast with ∿≀, moving NE.	
8	C	Overcast with ∿≀, moving ENE.	
8	C	Overcast; slight rain from 4h. 45m. to 4h. 49m.	
8	R	Overcast; no rain.	
8	R	Overcast; rain from 5h. 32m. to 6h. 38m.	
7	R	∿≀ scattered throughout, moving ENE.	
8	R	Overcast; a passing shower of rain at 8h. 58m.	
8	B	Overcast; rain commenced at 9h. 56m.	
8	B	Overcast; rain ceased at 10h. 11m.	
8	B	Overcast; no rain.	
7	B	∿≀ scattered throughout, moving ENE.	
8	C	" "	
8	C	" "	
8	C	Overcast; slight rain between 3h. 36m. and 3h. 42m.	
8	C	Overcast; slight rain between 4h. 51m. and 4h. 54m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
4	C	∿≀ scattered about hor., moving ENE.	
8	C	Overcast; slight rain commenced at 9h. 56m.	
8	C	Overcast; rain ceased at 10h. 3m.	
8	C	Overcast; a few stars dimly visible about zenith.	
8	B	Overcast with ∿≀, moving ENE; a few drops of rain at 0h. 17m.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 83°6. Daily fall of rain by Osler's Gauge 0·44 in.
8	C	Overcast; rain commenced at 1h. 2m.	
8	C	Overcast; raining.	
8	C	" "	
8	C	Overcast; gusts of wind from SW; rain ceased at 4h. 35m.	
8	R	Overcast; no rain.	
8	R	Overcast; a few drops of rain at 6h. 50m.	
8	R	Overcast; a passing shower of rain at 7h. 50m.	
8	R	Overcast; light drops of rain after 8h. 14m and 8h. 40m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	Overcast; a few drops of rain between 11h. 43m. and 11h. 47m.	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 26th-Noon.	29.756	28.829	80°6	78°5	2°1	77°6	0.91	80°1	80°9	WSW	0.3					
1 p. m.	.734	.820	80.3	78.0	2.3	77.1	.90	80.1	80.9	„	0.3					
2 „	.717	.795	81.5	78.5	3.0	77.4	.88	81.0	81.0	„	0.4					
3 „	.707	.797	80·6	78.0	2.6	77.0	.89	80.5	81.0	„	0.3					
4 „	.698	.832	78.2	76.2	2.0	75.4	.92	79.0	81.0	W	0.2	0.08				
5 „	.697	.798	78.0	77.0	1.0	76.6	.96	78.5	81.0	WSW	0.2		None.	None.	None.	None.
6 „	.701	.804	78.2	77.0	1.2	76.5	.95	78.6	81.0	„	0.2					
7 „	.709	.810	78·0	77.0	1.0	76.6	.96	78 5	81.0	„	0.4					
8 „	.724	.823	77.8	77.0	0.8	76.7	.97	78.2	81.0	„	0.5					
9 „	.740	.841	78.0	77.0	1.0	76.6	.96	78.5	80.9	„	0.2					
10 „	.746	.864	77.8	76.5	1.3	76.0	.94	78.1	80.9	„	0.1					
11 „	.733	.858	76.8	76.0	0.8	75.8	.97	77.5	80.9	„	0.1	0.03				
Aug. 27th-Midnight	.723	.836	77·3	76.5	0.8	76.2	.97	77.9	80.8	SW b W	0.4	0.01				
1 a. m.	.718	.847	77.0	76.0	1.0	75.6	.96	77.8	80.8	WSW	1.0	0.01				
2 „	.704	.820	76·6	76.2	0.4	76.1	.98	77.5	80.8	„	1.0	0.01				
3 „	.690	.810	76.2	76.0	0.2	75.9	.99	77.0	80.8	W b S	0.7	0.06				
4 „	.691	·831	75·2	75.2	0.0	75.2	1.00	76.0	80.7	W	0.8	0.95				
5 „	.704	.794	77.0	77.0	0.0	77.0	1.00	77.0	80.7	WSW	0.8	0.68				
6 „	·718	.843	76.6	76·0	0.6	75.8	0.97	77.0	80.6	W	0.5	0.23				
7 „	.740	.836	76.8	76.8	0.0	76.8	1.00	77.2	80.6	W b S	0.1	0.06				
8 „	.758	.836	77.4	77.4	0.0	77.4	1.00	77.7	80.5	WSW	0·2					
9 „	.775	.875	77.9	77.0	0.9	76.6	0.96	78.1	80.5	„	0.4					
10 „	.779	.908	78.0	76.3	1.7	75.6	.93	78.1	80.5	„	0.3					
11 „	.774	.864	78.6	77.5	1.1	77.1	.95	78.7	80.5	„	0.2		None.	None.	None.	None.
Noon.	.766	.845	79.6	78·0	1.6	77·4	.93	79 1	80·6	„	0.2					
1 p. m.	.734	.784	80.8	79.0	1.8	78.3	·93	80.3	80.6	„	0.1					
2 „	.720	.793	81.0	78·5	2.5	77.6	.90	80.5	80.7	„	0.1					
3 „	.702	.737	83.3	80.0	3.3	78.8	·87	81.9	80.8	„	0.2					
4 „	.682	.730	80.6	79.0	1.6	78.4	.93	80.4	80.8	„	0.1	0.02				
5 „	.685	.747	80.0	78 5	1.5	77.9	.94	80·0	80.9	SW b W	0.4					
6 „	.698	.787	79.4	77.7	1.7	77.0	.93	79.5	80.9	„	0.4					
7 „	.719	.823	78.3	77.0	1.3	76.5	.94	79.0	80.9	„	0.4					
8 „	.735	.839	78.3	77.0	1.3	76.5	.94	78.8	81.0	„	0.3					
9 „	.747	.870	78.2	76.5	1.7	75.8	.93	78.6	80.9	„	0.1					
10 „	.748	.871	78·2	76.5	1·7	75.8	.93	78.4	80.9	„	0.1					
11 „	.744	.867	78.2	76.5	1.7	75.8	.93	78.4	80.9	„	0.1					
Aug. 28th-Midnight	.726	·864	77.8	76.0	1.8	75.3	.92	78.2	80.8	SW b W	0.4					
1 a. m.	.712	.848	77.6	76.0	1.6	75.4	.93	78.1	80.9	„	0.3					
2 „	.695	.813	77.8	76·5	1.3	76.0	·94	78.3	80.9	„	0.1					
3 „	.691	.790	77.8	77.0	0.8	76.7	.96	78.4	80.8	„	0.1					
4 „	.696	.835	77.2	75.8	1.4	75.2	.94	78.0	80.8	SW	0.1					
5 „	.702	.825	77.2	76.2	1.0	75.8	.96	77.7	80.8	„	0.1					
6 „	.713	.806	77.3	77.0	0.3	76·9	.99	77.8	80.8	„	0.4					
7 „	.734	·837	76.8	76.6	0.2	76.5	.99	77.5	80.7	W b S	0.1	0.19				
8 „	·756	.821	78.4	78.0	0.4	77.8	.93	78.8	80.7	W	0.5					
9 „	.765	.806	80.0	79.0	1.0	78.6	.96	79.8	80.7	„	0.2					
10 „	.765	.825	79.4	78.4	1.0	78.0	·96	79.2	80.7	W b S	0.2	0.05				
11 „	·759	·759	82.4	80.6	1.8	80.0	.93	81.0	80.8	„	0.2		None.	None.	None.	None.
Noon.	.741	.760	83.4	80.4	3.0	79.4	88	81.9	80.8	WSW	0.2					
1 p. m.	.725	.732	84.6	81.0	3.6	79.7	.86	82.8	80.8	„	0.3					
2 „	.711	.747	83.4	80.0	3.4	78.8	.86	82.0	80.9	„	0.4					
3 „	.685	.723	83.5	80.0	3.5	78.7	.86	82.2	81.0	„	0.5					
4 „	.680	.745	82.2	79.0	3.2	77.8	.87	81.6	81.0	„	0.4					
5 „	.682	.760	81.5	78.5	3.0	77.4	.88	81.0	81.2	„	0.5					
6 „	.696	.796	79.8	77.5	2.3	76.6	.90	80.0	81.2	„	0.5					
7 „	.708	.789	79.8	78.0	1.8	77.3	.92	79.8	81.2	„	0.1					
8 „	.725	.835	78.8	77·0	1.8	76.3	.92	79.0	81.2	„	0.2					
9 „	.742	·847	79.1	77.2	1.9	76·5	.92	79.2	81.2	W b S	0.1					
10 „	.747	.857	78.8	77.0	1.8	76.3	.92	79·1	81.2	„	0.1					
11 „	.739	.847	78.6	77.0	1.6	76·4	.93	79.0	81.2	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌒ cirro-strati; ∩⌒ cumulo-strati; and ≀≀ nimbi.	
8	B	Overcast; no rain.	
8	C	Overcast; drizzling rain commenced at 1h. 45m.	
8	C	Overcast; rain ceased at 2h. 11m.	
8	C	Overcast with ≀≀, moving NE; rain commenced at 3h. 16m.	
8	C	Overcast; raining lightly.	
8	R	Overcast; rain ceased at 5h. 30m.	
8	R	Overcast; no rain.	
8	R	" "	
8	R	" "	
8	B	Overcast with ≀≀, moving ENE; a few drops of rain at 9h. 40m.	
8	B	Overcast; rain commenced at 10h. 35m.	
8	B	Overcast; rain ceased at 11h. 6m., but recommenced at 11h. 10m.	
8	B	Overcast with ≀≀, moving E; raining.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 83°5. Daily fall of rain by Osler's Gauge 1·92 in.
8	C	Overcast; rain ceased at 1h. 6m., but recommenced at 1h. 38m.	
8	C	Overcast; raining.	
8	C	Overcast; raining; gusts of wind from 3h. 34m.	
8	C	Overcast; rain and wind.	
8	R	Overcast; raining.	
8	R	" "	
8	R	" "	
8	R	" "	
8	B	Overcast; rain ceased at 9h. 25m.	
8	B	Overcast; no rain.	
8	B	Overcast with ≀≀, moving ENE.	
8	B	" "	
8	C	" "	
8	C	" "	
8	C	Overcast; slight rain between 3h. 39m. and 3h. 47m.	
8	C	Overcast; a shower of rain at 4h. 14m.	
7	R	≀≀ and ≀ scattered about, the former moving NE.	
7	R	Densely clouded with ≀≀ and ∩; a passing shower of rain at 6h. 12m.	
8	R	Overcast with ≀≀, moving NE.	
8	R	" "	
8	B	Overcast with ≀≀, moving ENE.	
8	B	" "	
8	B	" "	
8	B	Overcast with ≀≀, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 83°5. Daily fall of rain by Osler's Gauge 0·23 in.
8	C	" "	
8	C	" "	
8	C	Overcast with ≀≀, moving NE.	
8	C	Overcast; a passing shower of rain at 4h. 57m.	
7	R	Overcast; a passing shower of rain at 5h. 40m.	
8	R	Overcast with ≀≀, moving ENE; rain from 6h. 7m. to 6h. 11m., and from 6h. 30m. to 6h. 50m.	
7	R	Overcast; no rain.	
8	R	" "	
8	B	Overcast; rain from 9h. 16m. to 9h. 50m.	
8	B	Overcast; no rain.	
4	B	≀≀ and ≀ scattered about, moving ENE.	
5	B	" "	
5	C	" "	
6	C	≀≀ scattered about, moving E; drops of rain at 2h. 43m.	
6	C	≀≀ around hor.; ≀ scattered about.	
8	C	Overcast with ≀≀, moving ENE.	
7	R	≀≀ scattered about, moving ENE.	
8	R	Overcast with ≀≀, moving ENE.	
8	R	Overcast with ≀≀, moving NE.	
8	R	Overcast with ≀≀, moving E; a few drops of rain at 8h. 0m.	
5	B	≀≀ scattered about, moving E; no rain.	
5	B	≀≀ scattered about; a few drops of rain between 10h. 13m. and 10h. 17m.	
5	B	≀≀ scattered about, moving E; no rain.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds for same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 29th-Midnight	29.715	28.818	78·2	77·0	1·2	76·5	0.95	78·9	81.1	W b S	0.3					
1 a. m.	.698	.814	77.2	76.4	0.8	76.1	.96	78.2	81.1	„	0.3	0.09				
2 „	.686	.802	77.2	76.4	0.8	76·1	.96	78.0	81.0	„	0.5	0.06				
3 „	.682	.776	77.4	77.0	0.4	76.8	.98	78.2	81.0	„	0.4					
4 „	.686	.794	77.2	76.6	0.6	76.4	.97	78.0	81.0	„	0.1	00.6				
5 „	.686	.780	77.4	77.0	0.4	76.8	.98	78.0	81.0	„	0.1					
6 „	.698	.790	77.2	77.0	0.2	76.9	.99	77.6	81.0	W	0.1					
7 „	.716	.793	78.0	77.6	0.4	77.4	.98	78.0	81.0	„	0.4					
8 „	.732	.801	78.7	78.0	0.7	77.7	.97	78.9	81.0	„	0.4	0.09				
9 „	.743	.819	79.4	78.0	1.4	77.5	.94	79.3	81.0	„	0.3					
10 „	.740	.794	81.2	79.0	2.2	78.2	.92	80.6	81.0	W b N	0.5		None.	None.	None.	None.
11 „	.732	.753	82.0	80.0	2.0	79.3	.92	81.1	81.1	W	0.3					
Noon.	.720	.738	83.8	80.6	3.2	79.4	.87	82.2	81.1	„	0.4					
1 p. m.	.692	.724	83.0	80.0	3 0	78.9	.88	82.0	81.1	WSW	0.4					
2 „	.674	.748	83.0	79.0	4 0	77.5	.84	82.0	81.2	„	0.5					
3 „	.655	.633	82.6	80.0	2.6	79.1	.90	82.0	81.3	„	0.3					
4 „	.654	.712	83.0	79.4	3.6	78.1	.86	82.0	81.3	„	0.2					
5 „	.647	.755	80.5	77.5	3.0	76.4	.88	80.5	81.4	„	0.3					
6 „	.659	.773	79.2	77.0	2.2	76.1	.91	79.5	81.3	„	0.4					
7 „	.672	.786	79.2	77.0	2.2	76.1	.91	79.5	81.3	„	0.3					
8 „	.683	.791	78.6	77.0	1.6	76.4	.93	79.0	81.3	„	0.5	0·07				
9 „	.694	.802	78.6	77.0	1.6	76·4	.93	79.0	81.2	„	0.1					
10 „	.700	.827	78.6	76.5	2.1	75.7	.91	79.0	81.2	„	0.3					
11 „	.684	.800	78.6	76.8	1.8	76.1	.92	79.0	81.2	„	0.2					
Aug. 30th-Midnight	.669	.784	78.2	76.7	1.5	76.1	.94	78.8	81.2	WSW	0.3	0.04				
1 a. m.	.645	.742	76.6	77.0	0.6	76.7	.97	78.6	81.2	„	0.3					
2 „	.629	.765	77.6	76.0	1.6	75·4	.93	78.4	81.2	„	0.1					
3 „	.618	.747	77.0	76.0	1.0	75.6	.96	78.0	81.1	„	0.2	0.04				
4 „	.618	.749	77.2	76.0	1.2	75.5	.95	78.1	81.1	„	0.8					
5 „	.626	.751	76.6	76.0	0.6	75.8	.97	77.4	81.2	„	0.8					
6 „	.633	.753	76.2	76.0	0.2	75.9	.99	77.0	81.1	„	0.7	0.14				
7 „	.641	.759	76.0	76.0	0.0	76.0	1.00	77.0	81.0	W	0.8	0.11				
8 „	.661	.769	76.9	76.5	0.4	76.4	0.98	77.6	81.0	„	0.3	0.08				
9 „	.668	.782	77.4	76.5	0.9	76.1	.96	78.0	81.0	W b S	0.2					
10 „	.666	.760	77.4	77.0	0.4	76.8	.98	77.8	80.9	„	0.5	0.09				
11 „	.659	.755	77.5	77.0	0.5	76.8	.98	77.9	80.8	W	0.3	0.14	None.	None.	None.	None.
Noon.	.648	.728	79.7	78.0	1.7	77 3	.93	79.2	80.9	„	0.2					
1 p. m.	.625	.704	79.6	78.0	1.6	77.4	.93	79.2	80.9	W b N	0.3	0.02				
2 „	.612	.748	77.6	76.0	1.6	75.2	.93	78.0	80.8	„	0.7	0.28				
3 „	.592	.716	76.5	76 0	0.5	75.8	.98	77.2	80.8	W	0.6	0.19				
4 „	.591	.715	76.5	76.0	0.5	75 8	.98	77.1	80.8	W b S	0.7	0.09				
5 „	.601	.711	77.0	76.5	0 5	76.3	.98	77.2	80.8	WSW	0.8	0.05				
6 „	.609	.729	76.2	76.0	0.2	75.9	.99	77.0	80.7	W	0.5	0.17				
7 „	.622	.716	76.6	76.0	0.6	75.8	.97	77.0	80.8	„	0.6	0.01				
8 „	.635	.740	77.0	76.6	0.4	76.5	.98	77.0	80.8	WSW	0.4	0.02				
9 „	.659	.782	77.2	76.2	1.0	75.8	.96	77.5	80.7	„	0.1					
10 „	.660	.760	77.9	77.0	0.9	76.6	.96	78.0	80.6	„	0.6					
11 „	.656	.755	77.8	77.0	0.8	76.7	.97	78.0	80.6	„	0.3					
Aug. 31st-Midnight	.646	.775	77.0	76.0	1.0	75.6	.96	77.5	80.5	WSW	0.4					
1 a. m.	.638	.734	77.5	77.0	0.5	76.8	.98	78.0	80.6	„	0.2					
2 „	.628	.722	77.4	77.0	0.4	76.8	.98	78.0	80.6	W	0.5	0.06				
3 „	.620	.714	77.4	77.0	0.4	76.8	.98	78.0	80.6	„	0.4	0.01				
4 „	.625	.729	76.5	76.5	0.0	76.5	1.00	77.0	80.5	„	1.0	0.10				
5 „	.641	.772	76.4	75.8	0.6	75.5	0.97	77.0	80.5	„	1.0	0.14				
6 „	.652	.777	76.6	76.0	0.6	75.8	.97	77.0	80.5	„	0.2	0.11	None.	None.	None.	None.
7 „	.678	.779	78.0	77.0	1.0	76.6	.96	78.0	80.5	„	0.6					
8 „	.686	.768	79.2	77.8	1.4	77.3	.94	79.1	80.6	„	0.1					
9 „	.703	.847	78.4	76.0	2.4	75.1	.90	78.5	80.6	„	0.6	0.03				
10 „	.701	.790	79.4	77.7	1.7	77.0	.93	79.3	80.5	WSW	0.5					
11 „	.700	.820	80.1	77.1	3.0	75.9	.88	79.7	80.5	W	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿∿ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒⌒ cumulo-strati; and ∿∿ nimbi.	
7	B	∿∿ scattered throughout, moving E; rain from 0h. 14m. to 0h. 22m.	Mean daily temperature of ground 20 and 60 inches below its surface 81°1 and 83°5. Daily fall of rain by Osler's Gauge 0·36 in.
7	C	∿∿ scattered throughout; light rain from 1h. 32m. to 1h. 38m.	
8	C	Overcast; no rain.	
8	C	Overcast; rain commenced at 3h. 37m.	
8	C	Overcast; rain ceased at 4h. 17m.	
8	R	Overcast; slight rain between 5h. 52m. and 5h. 57m.	
8	R	Overcast; no rain.	
8	R	Overcast with ∿∿, moving ENE; rain from 7h. 29m. to 7h. 40m.	
8	R	Overcast with ∿∿, moving E; no rain.	
8	B	" "	
8	B	Overcast; very slight rain between 10h. 47m. and 10h. 50m.	
8	B	Overcast; no rain.	
7	B	∿∿ scattered about, moving E; slight rain between 12h. 33m. and 12h. 35m.	
7	C	∿∿ scattered throughout; no rain.	
8	C	" "	
7	C	" "	
8	C	Overcast with ∿∿, moving ENE.	
8	R	Overcast; a passing shower of rain at 5h. 17m.	
8	R	Overcast; no rain.	
7	R	∿∿ scattered about; rain and breezes of wind between 7h. 10m. and 7h. 16m.	
8	R	Overcast with ∿∿, moving NE; no rain.	
7	B	∿∿ scattered throughout, moving ENE; a few drops of rain at 9h. 17m.	
7	B	∿∿ scattered throughout; no rain.	
7	B	" "	
8	B	Overcast with ∿∿, moving E; raining from 0h. 0m. to 0h. 5m.	Mean daily temperature of ground 20 and 60 inches below its surface 81°1 and 83°5. Daily fall of rain by Osler's Gauge 0·50 in.
8	C	Overcast; a few stars dimly visible.	
8	C	Overcast; rain from 2h. 3m. to 2h. 8m., and from 2h. 37m. to 2h. 54m.	
8	C	Overcast; no rain.	
8	C	Overcast; rain commenced at 4h. 55m.	
8	R	Overcast; no rain.	
8	R	" "	
8	R	" "	
8	R	" "	
8	B	" "	
8	B	Overcast; rain ceased at 10h. 40m.	
8	B	Overcast; no rain.	
8	B	Overcast; a passing shower of rain at 0h. 28m., which lasted 2m.	
8	C	Overcast; rain commenced at 1h. 47m.	
8	C	Overcast; raining.	
8	C	Overcast; rain ceased at 3h. 9m., but recommenced at 3h. 27m.	
8	C	Overcast; rain ceased at 4h. 13m., but recommenced at 4h. 30m.	
8	R	Overcast; rain ceased at 5h. 20m., but recommenced at 5h. 43m.	
8	R	Overcast; rain ceased at 6h. 7m., but recommenced at 6h. 50m., which lasted 5m.	
8	R	Overcast; slight rain at 7h. 8m., and at 7h. 33m., which lasted respectively 7h. and 2m.	
8	R	Overcast; no rain.	
8	B	" "	
8	B	" "	
8	B	Overcast; slight rain from 11h. 38m to 11h. 42m.	
6	B	Overcast; slight rain at 0h. 15m.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 83°4. Daily fall of rain by Osler's Gauge 0·50 in.
8	C	Overcast; rain began at 1h. 2m., and ceased at 1h. 25m.	
4	C	∿∿ scattered about hor.; slight rain at 2h. 12m., which lasted 2m.	
8	R	Overcast; rain and wind from 3h. 14m. to 3h. 48m.; light rain at 3h. 59m.	
8	R	Overcast; rain ceased at 4h. 5m., recommenced at 4h. 48m., and ceased at 4h. 38m.; fresh breezes of wind.	
8	B	Overcast; raining from 5h. 36m. to 5h. 44m., and from 5h. 50m. to 5h. 55m.	
8	B	Overcast; no rain.	
8	C	" "	
8	C	Overcast; rain commenced at 8h. 54m.	
8	R	Overcast; rain ceased at 9h. 6m.	
8	R	Overcast; no rain.	
8	B	" "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 31st–Noon.	29.689	28.781	80°8	78°0	2°8	76°9	0.89	80°0	80°5	WSW	0.6					
1 p. m.	.667	.789	79.2	76.8	2.4	75.7	.90	.793	80.5	WNW	0.4	0.05				
2 „	.647	.763	80.5	77.3	3.2	76.1	.87	80.0	80.6	„	0.4					
3 „	.629	.720	79.2	77.6	1.6	76.9	.93	79.1	80.6	W	0.2					
4 „	.626	.722	81.2	78.0	3.2	76.8	.87	80.3	80.7	„	0.5		None.	None.	None.	
5 „	.629	.733	79.3	77.3	2.0	76.5	.92	79.2	80.7	„	0.4	0.06				None.
6 „	.650	.762	79.2	77.0	2.2	76.2	.92	79.2	80.7	„	0.8					
7 „	.657	.766	78.7	77.0	1.7	76.3	.93	79.2	80.7	„	0.2					
8 „	.677	.782	78.4	77.0	1.4	76.5	.94	79.1	80.7	„	0.1					
9 „	.692	.801	77.3	76.6	0.7	76.3	.97	78.0	80.8	„	0.4	0.02				
10 „	.694	.791	77.6	77.0	0.6	76.7	.97	78.0	80.8	„	0.1					
11 „	.693	.813	77.6	76.4	1.2	75.9	.95	78.0	80.7	„	0.4					
Sept. 2nd–Midnight	.683	.784	78.0	77.0	1.0	76.6	.96	78.2	81.0	W b N	0.4					
1 a. m.	.660	.775	78.2	76.7	1.5	76.1	.94	78.2	81.0	„	0.3					
2 „	.642	.758	78.0	76.6	1.4	76.1	.94	78.2	80.9	W	0.3					
3 „	.640	.769	78.0	76.3	1.7	75.6	.93	78.1	80.8	WNW	0.2					
4 „	.638	.774	77.6	76.0	1.6	75.4	.93	78.1	80.7	„	0.2					
5 „	.651	.787	77.6	76.0	1.6	75.4	.93	78.1	80.7	„	0.1					
6 „	.660	.761	78.0	77.0	1.0	76.6	.96	78.4	80.7	„	0.1					
7 „	.676	.771	79.3	77.5	1.8	76.8	.92	79.4	80.7	„	0.1					
8 „	.691	.769	79.5	78.0	1.5	77.4	.94	79.6	80.8	„	0.1					
9 „	.702	.762	81.7	79.0	2.7	78.0	.89	81.0	81.0	„	0.3					
10 „	.716	.752	82.6	79.8	2.8	78.8	.89	81.5	81.0	„	0.5					
11 „	.708	.852	81.2	76.8	4.4	75.1	.82	80.5	81.0	„	0.4					
Noon.	.690	.846	82.0	76.7	5.3	74.6	.79	81.0	81.0	„	0.2	Less than one cent.	None.	None.	None.	None.
1 p. m.	.677	.804	82.2	77.5	4.7	75.7	.81	81.1	81.0	NW b W	0.2					
2 „	.670	.750	84.3	79.2	5.1	77.3	.80	82.0	81.1	„	0.1					
3 „	.655	.737	84.1	79.1	5.0	77.3	.81	82.2	81.1	NW	0.1					
4 „	.652	.781	84.2	78.0	6.2	75.6	.76	82.2	81.3	„	0.2					
5 „	.661	.789	81.2	77.2	4.0	75.6	.84	81.1	81.3	„	0.2					
6 „	.676	.825	80.6	76.5	4.1	74.9	.84	80.5	81.3	„	0.2					
7 „	.690	.852	80.0	76.0	4.0	74.4	.84	80.0	81.2	„	0.2					
8 „	.710	.845	79.7	76.6	3.1	75.4	.87	79.9	81.2	„	0.2					
9 „	.728	.860	79.4	76.6	2.8	75.5	.88	79.5	81.2	„	0.5					
10 „	.728	.871	79.3	76.3	3.0	75.1	.88	79.3	81.2	NW b W	0.3					
11 „	.727	.843	79.4	77.0	2.4	76.1	.90	79.1	81.2	„	0.6					
Sept. 3rd–Midnight	.719	.831	79.0	77.0	2.0	76.2	.92	79.0	81.3	WNW	0.2					
1 a. m.	.708	.870	78.6	75.6	3.0	74.4	.88	79.0	81.2	W b N	0.2					
2 „	.694	.854	78.4	75.6	2.8	74.5	.88	79.0	81.2	W	0.0					
3 „	.680	.824	78.4	76.0	2.4	75.1	.90	79.0	81.2	„	0.0					
4 „	.681	.824	78.3	76.0	2.3	75.1	.90	78.7	81.1	„	0.1					
5 „	.691	.855	78.0	75.4	2.6	74.3	.89	78.7	81.1	„	0.1					
6 „	.711	.844	78.2	76.2	2.0	75.4	.92	78.8	81.1	W b N	0.3					
7 „	.731	.832	78.0	77.0	1.0	76.6	.96	78 6	81.1	W	0.1	0.01				
8 „	.750	.833	80.0	78.0	2.0	77.2	.92	79.9	81.1	W b N	0.1					
9 „	.757	.901	78.4	76.0	2.4	75.1	.90	79 0	81.1	„	0.1	0.02				
10 „	.760	.872	82.6	78.0	4.6	76.2	.82	81.5	81.1	„	0.5					
11 „	.748	.839	82.7	78.5	4.2	76.9	.83	81.6	81.2	„	0.6					
Noon.	.735	.809	83.0	79.0	4.0	77.5	.84	81.9	81.2	WNW	0.5		None.	None.	None.	None.
1 p. m.	.722	.847	83.8	78.0	5.8	75.8	.78	82.2	81.3	„	0.4					
2 „	.700	.788	83.5	78.8	4.7	77.1	.82	82.1	81.3	„	0.6					
3 „	.684	.810	82.8	77.7	5.1	75.7	.80	81.9	81.3	„	0.4					
4 „	.681	.808	82.3	77.5	4.8	75.7	.81	81.5	81.4	„	0.5					
5 „	.674	.808	81.0	77.0	4.0	75.4	.84	80.7	81.4	„	0.3					
6 „	.677	.820	80.0	76.5	3.5	75.1	.86	80.0	81.4	„	0.2					
7 „	.698	.856	79.6	76.0	3.6	74.6	.85	79.9	81.4	„	0.5					
8 „	.701	.854	77.0	75.4	1.6	74.7	.93	78.1	81.4	„	0.0	0.03				
9 „	.713	.834	78.4	76.6	1.8	75.9	.92	78.9	81.4	W b N	0.5					
10 „	.721	.833	79.0	77.0	2.0	76.2	.92	79.0	81.4	„	0.8					
11 „	.719	.848	78.8	76.5	2.3	75.6	.90	79.0	81.3	W	0.8					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌣≀ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	
8	B	Overcast; slight rain at 12h. 39m., 12h. 52m., and at 12h. 55m.	
8	C	Overcast; rain ceased at 1h. 2m.	
8	C	Overcast; no rain.	
8	R	" "	
8	R	Overcast; slight rain now and then.	
8	B	Overcast; no rain.	
8	B	" "	
8	C	" "	
7	C	≀≀ scattered throughout, moving E; rain from 8h. 29m. to 8h. 37m.	
8	R	Overcast; no rain.	
8	R	Overcast; rain from 10h. 10m. to 10h. 20m.	
7	B	≀≀ scattered about, moving E.	
6	R	≀≀ scattered throughout, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 81°3 and 83°2.
6	B	≀≀ scattered throughout, moving E.	
8	B	Overcast with ≀≀, moving E; a few stars dimly visible.	
7	B	≀≀ scattered throughout, moving ESE.	
3	B	≀≀ scattered about hor., moving ESE.	
7	C	≀≀ scattered throughout, moving E.	
8	C	" "	
8	C	" "	
8	C	" "	
7	R	" "	
7	R	≀≀ and ≀ scattered throughout, the former moving E; slight rain between 10h. 58m. and 10h. 59m.	
8	R	Overcast with ≀≀, moving E.	
8	R	≀≀ scattered throughout, moving ENE.	
8	B	" "	
7	B	≀≀ scattered throughout, moving E.	
5	B	≀≀ and ≀ scattered about, the former moving E.	
5	B	Clouded as before.	
5	C	" "	
6	C	" "	
4	C	" "	
4	C	" "	
6	R	≀≀ scattered about, moving E.	
8	R	" "	
8	R	Overcast; a few drops of rain at 11h. 25m.	
4	R	≀≀ scattered about, moving E; light drops of rain at 0h. 0m., and at 0h. 30m.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°3. Daily fall of rain by Osler's Gauge 0·05 in.
8	B	Overcast; no rain.	
6	B	≀≀ scattered about, moving E.	
8	B	Overcast with ≀≀ and ≀; a few stars dimly visible in E.	
7	B	≀≀ and ≀ scattered throughout.	
8	C	" "	
8	C	Overcast; slight rain between 6h. 36m. and 6h. 44m.	
8	C	Overcast; no rain.	
8	C	Overcast; slight rain between 8h. 40m. and 8h. 45m.	
8	R	Overcast; no rain.	
8	R	" "	
8	R	" "	
8	R	" "	
8	B	Overcast; a few drops of rain at 1h. 25m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	" "	
8	C	" "	
8	C	" "	
8	C	Overcast; slight rain at 7h. 2m., and 7h. 41m., which lasted 8m. in each instance.	
8	C	Overcast; slight rain between 8h. 22m. and 8h. 26m.	
5	R	≀≀ scattered about, moving ENE; light drops of rain at 9h. 20m.	
8	R	Overcast; puffs of wind.	
8	R	" "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in Seconds for the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 4th-Midnight	29.705	28.815	78°8	77°0	1°8	76°3	0·92	79°0	81°2	W	1.2					
1 a. m.	.692	·842	78·9	76.0	2.9	74.8	.88	79.2	81.2	„	1.3			0		
2 „	.672	.810	78.8	76.3	2.5	75.3	.90	79.1	81.2	W b S	1.5					
3 „	.669	.813	78.4	76·0	2.4	75.1	.90	78.7	81.2	„	0.8					
4 „	.667	·814	78.6	76.0	2.6	75.0	.89	78.9	81.2	„	0.7					
5 „	.660	·800	78.0	76.0	2.0	75.2	.92	78.7	81.2	WSW	0.6	0.18				
6 „	.671	·786	78.2	76.7	1.5	76.1	.94	78.9	81.2	„	0·4					
7 „	.685	.817	78.3	76.3	2.0	75.5	.92	78.8	81.2	W	0.7	0.02				
8 „	.706	·827	79.8	77.0	2.8	75.9	.88	79.7	81.1	WNW	1.2					
9 „	.724	.828	81.0	77.0	4.0	75.4	.84	80.1	81.2	W b N	0.8					
10 „	.719	.822	81.8	78.0	3.8	76.5	.85	81·0	81.2	„	1.0					
11 „	.714	·792	83.4	79.0	4.4	77.4	.83	82.0	81.2	„	1.2		None.	None.	None.	None.
Noon.	.696	·789	83.2	78.6	4.6	76.9	.82	82.0	81.2	W b S	1.5					
1 p. m.	.674	·775	83.6	78.5	5.1	76.6	.80	82.2	81·3	„	0·8					
2 „	.649	.759	83.6	78.3	5.3	76.3	.80	82.2	81.3	„	0.7					
3 „	·633	.747	82.8	78.0	4.8	76.1	.81	82.0	81.4	„	1.0					
4 „	·627	.729	81·7	78.0	3.7	76.6	.85	81.3	81.4	„	0.8					
5 „	.628	.757	80.5	77.0	3.5	75.6	.86	80.4	81.4	„	0.7					
6 „	.635	.764	79.8	76.8	3.0	75.6	.88	79.9	81.4	„	0.3					
7 „	.652	·810	79.6	76.0	3.6	74.6	.85	79.9	81.4	„	0.5					
8 „	.666	.804	79.6	76.5	3.1	75.3	.87	79.9	81.4	„	0.4					
9 „	·682	·802	79.7	77.0	2.7	75.9	.89	79.7	81.5	WSW	1.0					
10 „	.691	.807	78.0	76.6	1.4	76.1	.94	79.0	81.5	„	0.8	0.10				
11 „	·683	.815	79.0	76.5	2.5	75.5	.90	79.0	81.5	„	1.5					
Sept. 5th-Midnight	.670	.782	79.0	77.0	2.0	76.2	.92	79.0	81.5	SW b W	1.5					
1 a. m.	.652	.797	79.2	76.2	3.0	75·0	.88	79.3	81.4	WSW	1.6					
2 „	.630	.770	79.0	76.3	2.7	75.2	.89	79·2	81.3	„	1.0					
3 „	.622	.762	79.0	76.3	2.7	75.2	.89	79.2	81.3	„	1.6					
4 „	.626	.768	78.9	76·2	2.7	75.1	.89	79.1	81.3	„	1.0					
5 „	.635	.760	78.8	76.6	2.2	75.8	.91	79.0	81.3	„	1.0					
6 „	.657	.792	78.6	76.3	2.3	75.4	.90	79.0	81·3	„	0.7	0.01				
7 „	.684	.818	79.2	76.5	2.7	75.4	.89	79.3	81.3	„	0.5					
8 „	.694	.834	79.4	76.4	3.0	75.2	.88	79.5	81.3	„	0.5					
9 „	.709	.801	80.8	78.0	2.8	76.9	.89	80.3	81.2	SW b W	0.5					
10 „	.714	.865	80.4	76.4	4.0	74.8	.84	80.3	81.2	WSW	1.0					
11 „	.700	.787	80.4	78.0	2.4	77.1	.90	80.0	81.3	„	0.7		None.	None.	None.	None.
Noon.	.694	.786	81.9	78.3	3.6	76.9	.86	81.0	81.3	„	1.5					
1 p. m.	.682	.834	82.6	77.0	5.6	74.8	.78	82.0	81.3	„	1.0					
2 „	.663	.778	82.9	78.0	4.9	76.1	.82	82.0	81.4	„	0.6					
3 „	.649	.771	81.8	77.5	4.3	75.9	.83	81.2	81.4	„	0.7					
4 „	.646	.763	81.6	77.6	4.0	76.1	.84	81.0	81.5	W b S	1.2					
5 „	.658	.801	80.4	76.6	3.8	75.1	.85	80.3	81.5	„	0.5					
6 „	.668	.797	79.8	76.8	3.0	75.6	.88	80.0	81.5	„	0.7					
7 „	.686	·820	79.6	76.6	3.0	75.4	.88	79.9	81.5	„	1.0					
8 „	.696	.836	79.4	76.4	3.0	75.2	.88	79.8	81.5	WSW	0·8					
9 „	.707	.823	79.4	77.0	2.4	76.1	.90	79.5	81.5	„	1.0					
10 „	.711	.827	79.4	77.0	2.4	76.1	.90	79.5	81.5	W b S	1.0					
11 „	.707	.823	79.4	77.0	2.4	76.1	·90	79.5	81.5	WSW	1.0					
Sept. 6th-Midnight	.697	.812	79.3	77.0	2.3	76.1	.90	79.3	81.5	WSW	1.0					
1 a. m.	.679	.814	79.3	76.5	2.8	75.4	.88	79.4	81.5	„	0.8					
2 „	.668	.802	79.2	76.5	2.7	75.4	·89	79·3	81.5	„	1.0					
3 „	.668	.798	79.2	76.6	2.6	75.6	.89	79.3	81·4	„	1.0					
4 „	.676	.809	79.1	76.5	2.6	75·5	.89	79.3	81.4	„	1·6					
5 „	.687	.817	77.3	76.0	1.3	75.5	.94	78.0	81.3	SW b W	1.5	0.10	None.	None.	None.	None.
6 „	.704	.844	78.0	76.0	2.0	75.2	.92	78.6	81.3	WSW	0.7	0.06				
7 „	.729	.852	78.6	76.6	2.0	75.8	.92	79·0	81.3	„	0.4					
8 „	.750	.869	79.6	77.0	2.6	76.0	·89	79.6	81.3	„	0.4					
9 „	.763	.856	80.9	78.0	2.9	76.9	.88	80.5	81.3	„	0.7					
10 „	.767	.850	82.0	78.0	4.0	77.2	.84	81.2	81.3	„	0.8					
11 „	.763	.839	83.2	79.0	4.2	77.5	.83	82.0	81.3	„	0.7					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
8	B	Overcast with ≀, moving E; puffs of wind.	Mean daily temperature of ground 20 and 60 inches below its surface 81°7 and 83°3. Daily fall of rain by Osler's Gauge 0·23 in.
8	B	" " "	
4	B	≀ scattered about, moving E; puffs of wind.	
3	B	" " "	
8	B	Overcast; light rain between 4h. 24m. and 4h. 32m.	
8	C	Overcast; no rain.	
8	C	Overcast with ≀, moving ENE; slight rain from 6h. 9m. to 6h. 17m.	
8	C	Overcast; no rain.	
8	C	" "	
7	R	≀ scattered about, moving E.	
8	R	Overcast; gusts of wind between 10h. 20m. and 11h. 0m.	
6	R	≀ and ≀ scattered about, the former moving NE.	
8	R	" " "	
7	B	≀ and ≀ scattered throughout, the former moving E.	
7	B	" " "	
8	B	Overcast with ≀, moving E; no rain.	
7	B	Overcast with ≀, moving ENE; slight rain between 4h. 19m. and 4h. 24m.	
8	C	Overcast with ≀, moving NE; fresh breezes of wind.	
8	C	" " "	
8	C	" " "	
8	C	Overcast; a passing shower of rain at 8h. 43m.; puffs of wind.	
8	R	Overcast; rain from 9h. 43m. to 9h. 57m.; puffs of wind.	
8	R	Overcast; slight rain between 10h. 0m. to 10h. 6m.	
8	R	Overcast; puffs of wind from WSW.	
6	R	≀ scattered throughout, moving NNE; gusts of wind from W.	Mean daily temperature of ground 20 and 60 inches below its surface 81°7 and 83°3. Daily fall of rain by Osler's Gauge 0·01 in; at 3 A. M. the barometer was 29·622 in., lowest reading in the month.
7	B	≀ scattered throughout, moving NE.	
8	B	Overcast with ≀, moving NE.	
7	B	≀ scattered about, moving NE; gusts of wind from W.	
8	B	Overcast; a passing shower of rain at 4h. 46m.	
8	C	Overcast; slight rain between 5h. 6m. and 5h. 18m.	
7	C	≀ scattered about, moving ENE.	
8	C	Overcast; a passing shower of rain at 7h. 51m.	
8	C	Overcast; no rain.	
7	R	≀ scattered throughout, moving ENE.	
8	R	Overcast; drizzling rain between 10h. 12m. and 10h. 25m.	
8	R	Overcast; no rain.	
8	R	" "	
8	B	" "	
8	B	Overcast; a few drops of rain at 2h. 59m.	
8	B	Overcast; no rain.	
8	B	" "	
8	C	" "	
8	C	Overcast with ≀, moving NE.	
8	C	" "	
6	C	≀ scattered about, moving ENE; gusts of wind from W.	
6	R	" " "	
5	R	≀ scattered about, moving NE; gusts of wind.	
8	R	Overcast with ≀, moving ENE; gusts of wind.	
4	R	≀ scattered about, moving ENE; gusts of wind from W.	Mean daily temperature of ground 20 and 60 inches below its surface 81°6 and 83°2. Daily fall of rain by Osler's Gauge 0·16 in.
7	B	≀ scattered throughout, moving ENE.	
8	B	" "	
8	B	Overcast; a break in ESE.	
8	B	Overcast; gusts of wind; light rain from 4h. 54m.	
8	C	Overcast; rain ceased at 5h. 16m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	R	" "	
8	R	" "	
8	R	≀ scattered about, moving ENE.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straw of Volta 1.	Electrical Instruments. Readings of Straw of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 6th-Noon.	29.749	28.834	84°0	79°0	5°0	77°2	0.81	82°6	81°3	WSW	0.5					
1 p. m.	.739	.822	83.8	79.0	4.8	77.2	.81	82.6	81.4	,,	0.3					
2 ,,	.723	.818	84.2	78.8	5.4	76.8	.79	82.9	81.5	,,	0.2					
3 ,,	.713	.808	83.0	78.5	4.5	76.8	.82	82.1	81.5	,,	0.5					
4 ,,	.707	.823	83.0	78.0	5.0	76.1	.80	82.1	81.6	,,	0.2					
5 ,,	.714	.850	81.2	77.0	4.2	75.4	.83	81.0	81.6	,,	0.1					
6 ,,	.728	.865	80.2	76.7	3.5	75.3	.86	80.4	81.6	,,	0.2	None.	None.	None.	None.	None.
7 ,,	.737	.873	79.8	76.6	3.2	75.4	.87	80.0	81.6	,,	0.2					
8 ,,	.754	.888	79.6	76.6	3.0	75.4	.88	80.0	81.6	,,	0.3					
9 ,,	.769	.885	79.4	77.0	2.4	76.1	.90	79.8	81.6	SW b W	0.3					
10 ,,	.769	.887	79.5	77.0	2.5	76.0	.90	79.6	81.6	,,	0.5					
11 ,,	.752	.870	79.5	77.0	2.5	76.0	.90	79.5	81.5	WSW	0.5					
Sept. 7th-Midnight	.746	.860	79.2	77.0	2.2	76.1	.91	79.3	81.7	WSW	0.8					
1 a. m.	.734	.847	79.1	77.0	2.1	76.2	.91	79.3	81.6	,,	1.0					
2 ,,	.723	.856	79.2	76.6	2.6	75.5	.89	79.3	81.5	,,	0.7					
3 ,,	.703	.835	79.0	76.5	2.5	75.5	.90	79.2	81.5	,,	0.7					
4 ,,	.711	.851	79.0	76.3	2.7	75.2	.89	79.2	81.5	,,	0.6					
5 ,,	.725	.861	78.8	76.6	2.2	75.4	.91	79.2	81.5	,,	0.5					
6 ,,	.741	.877	78.8	76.6	2.2	75.4	.91	79.1	81.5	,,	0.4					
7 ,,	.759	.873	79.2	77.0	2.2	76.1	.91	79.4	81.4	,,	0.2					
8 ,,	.778	.922	79.8	76.4	3.4	75.1	.86	79.7	81.4	,,	0.1					
9 ,,	.786	.950	80.2	76.0	4.2	74.3	.83	80.0	81.5	,,	0.5					
10 ,,	.797	.920	80.0	77.0	3.0	75.8	.88	80.0	81.5	W b S	0.4	0.01				
11 ,,	.793	.866	82.9	79.0	3.9	77.6	.85	81.6	81.5	,,	0.5					
Noon.	.784	.888	83.4	78.4	5.0	76.5	.80	82.0	81.5	WSW	0.5		None.	None.	None.	None.
1 p. m.	.773	.861	84.3	79.0	5.3	77.0	.80	82.3	81.5	W b N	0.6					
2 ,,	.754	.921	84.0	77.0	7.0	74.2	.73	82.2	81.6	,,	0.5					
3 ,,	.733	.853	83.4	78.0	5.4	75.9	.79	82.0	81.6	,,	0.5					
4 ,,	.729	.909	83.0	76.4	6.6	73.7	.75	82.0	81.6	,,	0.2					
5 ,,	.730	.886	81.2	76.5	4.7	74.6	.81	81.0	81.6	WNW	0.5					
6 ,,	.734	.880	80.3	76.5	3.8	75.0	.85	80.0	81.6	,,	0.5					
7 ,,	.751	.894	80.0	76.5	3.5	75.1	.86	79.7	81.6	,,	0.4					
8 ,,	.766	.887	79.8	77.0	2.8	75.9	.88	79.6	81.6	,,	0.5					
9 ,,	.778	.896	79.5	77.0	2.5	76.0	.90	79.4	81.5	,,	0.2					
10 ,,	.774	.886	79.0	77.0	2.0	76.2	.92	79.0	81.5	,,	0.6	0.01				
11 ,,	.772	.884	79.0	77.0	2.0	76.2	.92	79.0	81.5	,,	0.5					
Sept. 9th-Midnight	.742	.926	76.4	74.4	2.0	73.6	.91	77.4	81.4	W b S	0.4	0.01				
1 a. m.	.727	.864	77.7	76.0	1.7	75.3	.93	78.2	81.3	WSW	0.2	0.07				
2 ,,	.717	.856	77.9	76.0	1.9	75.2	.92	78.3	81.3	WSW	0.3	0.05				
3 ,,	.706	.845	77.9	76.0	1.9	75.2	.92	78.1	81.3	,,	0.5					
4 ,,	.706	.868	77.2	75.2	2.0	74.4	.91	77.6	81.2	,,	0.2	0.02				
5 ,,	.713	.881	77.0	75.0	2.0	74.2	.91	77.5	81.1	,,	0.1					
6 ,,	.727	.893	77.6	75.2	2.4	74.3	.90	77.9	81.1	,,	0.2					
7 ,,	.738	.871	78.4	76.3	2.1	75.5	.91	78.6	81.1	,,	0.0					
8 ,,	.751	.882	79.7	76.7	3.0	75.5	.88	79.6	81.1	,,	0.1					
9 ,,	.758	.860	81.7	78.0	3.7	76.6	.86	80.5	81.1	,,	0.5					
10 ,,	.754	.921	78.7	75.5	3.2	74.2	.87	79.0	81.1	,,	0.2	0.01				
11 ,,	.753	.818	82.2	79.0	3.2	77.8	.87	81.2	81.2	,,	0.6					
Noon.	.732	.815	83.8	79.0	4.8	77.2	.81	82.0	81.2	,,	0.5		None.	None.	None.	None.
1 p. m.	.712	.800	84.3	79.0	5.3	77.0	.80	82.2	81.3	,,	0.6					
2 ,,	.690	.801	83.3	78.2	5.1	76.3	.80	82.0	81.3	,,	0.5					
3 ,,	.682	.838	81.2	76.5	4.7	74.6	.81	80.8	81.4	,,	0.8					
4 ,,	.682	.864	80.0	75.5	4.5	73.6	.82	79.9	81.4	,,	0.3					
5 ,,	.688	.876	78.8	75.0	3.8	73.4	.84	79.0	81.4	,,	0.4					
6 ,,	.699	.863	76.7	75.0	1.7	74.3	.93	77.9	81.4	W b S	0.2	0.01				
7 ,,	.711	.903	75.7	74.0	1.7	73.3	.93	77.1	81.3	WSW	0.0					
8 ,,	.728	.891	76.2	74.9	1.3	74.4	.94	77.4	81.2	,,	0.0					
9 ,,	.742	.902	76.3	75.0	1.3	74.5	.94	77.4	81.2	,,	0.0					
10 ,,	.740	.869	77.0	76.0	1.0	75.6	.96	77.5	81.1	,,	0.5					
11 ,,	.732	.854	76.4	76.0	0.4	75.9	.98	77.5	81.0	SW b W	0.0	0.10				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ≀ cirri ; ≀≀ cirro-cumuli ; ∩ cumuli ; ⌣ cirro-strati ; ∩ cumulo-strati ; and ≀≀ nimbi.	
8	R	Overcast with ≀≀, moving NE.	
8	B	" "	
7	B	" "	
8	B	" "	
8	B	Overcast with ≀≀, moving ENE.	
8	C	Overcast with ≀≀, moving NE.	
8	C	" "	
8	C	≀≀ scattered throughout, moving ENE.	
7	C	" "	
8	R	Overcast with ≀≀, moving E.	
8	R	" "	
8	R	" "	
8	R	≀≀ scattered throughout, moving NE; a few stars dimly visible.	Mean daily temperature of ground 20 and 60 inches below its surface 81°7 and 83°3. Daily fall of rain by Osler's Gauge 0·02 in.
8	R	Overcast; a few stars dimly visible.	
8	B	Overcast with ≀≀, moving ENE.	
8	B	Overcast; a few stars dimly visible.	
8	B	" "	
8	C	Overcast with ≀≀, moving NE; a few stars dimly visible.	
8	C	Overcast with ≀≀, moving NE.	
8	C	Overcast; a few drops of rain at 7h. 4m.	
8	C	Overcast with ≀≀, moving ENE; slight rain at 8h. 58m.	
8	R	Overcast; rain ceased at 9h. 8m.	
8	R	≀≀ scattered throughout, moving ENE.	
7	R	≀≀ scattered throughout, moving E.	
7	R	≀≀ scattered throughout, moving ENE.	
7	B	Clouded as before.	
8	B	" "	
8	B	" "	
7	B	" "	
8	R	" "	
8	R	" "	
8	R	" "	
8	R	" "	
8	R	Overcast; a passing shower of rain at 9h. 40m.	
7	R	≀≀ scattered about, moving ENE.	
8	R	" "	
8	R	Overcast with ≀≀, moving E; rain from 0h. 0m. to 6h. 30m.	Mean daily temperature of ground 20 and 60 inches below its surface 81°7 and 83°2. Daily fall of rain by Osler's Gauge 0·27 in.
8	B	Overcast; rain commenced at 1h. 58m.	
8	B	Overcast; rain ceased at 2h. 4m.	
7	B	≀≀ scattered throughout, moving ENE; rain between 3h. 46m. and 3h. 50m.	
8	B	Overcast; no rain.	
7	C	≀≀ scattered throughout, moving ENE.	
7	C	" "	
8	C	" "	
8	C	" "	
6	R	≀≀ scattered about, moving NE; slight rain from 9h. 48m. to 10h. 0m.	
8	R	Overcast; slight rain between 10h. 0m. and 10h. 5m.	
7	R	≀≀ scattered throughout, moving NE.	
4	R	≀≀ scattered about, moving ENE.	
7	B	" "	
8	B	" "	
8	B	≀≀ and ≀ scattered about, the former moving ENE.	
8	B	" " "	
8	C	Overcast; slight rain between 5h. 7m. and 5h. 16m.	
8	C	Overcast; rain commenced at 6h. 4m.	
8	C	Overcast; rain ceased at 7h. 20m.	
8	C	Overcast; no rain.	
8	R	" "	
7	R	≀≀ scattered about, moving ENE; showers of rain between 10h. 35m. to 10h. 55m.	
7	R	≀≀ scattered throughout, moving ENE; no rain.	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds after the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 10th-Midnight	29.716	28.879	76°5	75°0	1°5	74°4	0.94	77°4	81°2	SW b W	0.0					
1 a. m.	.701	.869	77.0	75.0	2.0	74.2	.91	77.5	81.1	„	0.0					
2 „	.693	.862	77.1	75·0	2.1	74.1	.91	77.5	81.1	„	0.2					
3 „	.693	.864	77.3	75.0	2.3	74.1	.90	77.7	81.0	„	0.1	0.03				
4 „	.690	.880	75.5	74.0	1.5	73.3	.93	76.8	81.0	SW	0.0	0.15				
5 „	.690	.853	76.5	75.0	1.5	74.4	.94	77.3	81.0	„	0.1					
6 „	.710	.855	76.7	75.5	1.2	74.3	.95	77.5	80.9	SW b S	0.1					
7 „	.734	.863	77.0	76.0	1.0	75.6	.96	77.7	80.9	„	0.0	0.01				
8 „	.753	.874	78.0	76.5	1.5	75.9	.94	78.4	80.8	„	0.0					
9 „	.761	.851	80.6	78.0	2.6	77.0	.89	80.0	81.0	„	0.4					
10 „	.752	.815	82.0	79.0	3.0	77.9	.88	81.0	81.0	„	0.4		None.	None.	None.	None.
11 „	.747	.799	81.0	79.0	2.0	78.3	.92	80.3	81.0	„	0·5					
Noon.	.728	.815	82.3	78.5	3.8	77.1	.85	81.0	81.0	„	0.5					
1 p. m.	.726	.866	84.1	77.7	6.4	75.2	.76	82.1	81.1	WSW	0.4					
2 „	.704	.810	85.2	78·8	6.4	76.3	.76	82.7	81.1	„	0·2					
3 „	.693	.795	85.5	79.0	6.5	76.6	.75	82.9	81.2	„	0·3					
4 „	.691	.818	84.7	78·2	6.5	75.7	.75	82.7	81.3	„	0.2					
5 „	.699	.879	82.7	76.3	6.4	73.7	.76	81.7	81.3	„	0.1					
6 „	.712	.877	80.3	76.0	4·3	74.3	.83	80.5	81.3	SW b W	0.1					
7 „	.722	.879	79.5	76.0	3.5	74.6	.86	80.0	81.4	„	0.1					
8 „	.746	.914	78.8	75.5	3.3	74.2	.86	79.6	81.4	WSW	0·1					
9 „	.760	.909	78.8	76.0	2.8	74·9	.88	79.0	81.4	„	0.2					
10 „	.760	.941	78.2	75.0	3.2	73.7	.87	78.5	81.4	„	0.2					
11 „	.751	.891	78.0	76.0	2.0	75.2	.92	78.5	81.3	SW b W	0.1					
Sept. 11th-Midnight	.733	.869	78.6	76.0	1.6	75.4	.93	78.0	81.3	SW b W	0.3					
1 a. m.	.730	.934	76.8	74.0	2.8	72.8	.88	77.8	81.3	SW	0.2					
2 „	.719	.917	76.9	74.2	2.7	73.0	.89	77.9	81·3	SW b S	0·2					
3 „	.719	.888	77.1	75.0	2.1	74.1	.91	77.9	81.2	SW	0.3					
4 „	.721	.889	77.0	75.0	2·0	74.2	.91	77.9	81.1	„	0.2					
5 „	.737	.908	77.3	75.0	2.3	74.1	.90	78.0	81.1	SW b S	0.5					
6 „	.757	.919	77.2	75.2	2.0	74.4	.91	77.9	81.1	SSW	0·3					
7 „	.780	.935	77.6	75.5	2.1	74.7	.91	78.0	81.0	S b W	0.2					
8 „	.800	.966	77.6	75.2	2.4	74.3	.90	78.2	81.0	S	0·1					
9 „	.812	.949	79·5	76.5	3.0	75.3	.88	79.2	81.0	S b E	0.7					
10 „	.817	.949	80.8	77.0	3.8	75 5	.85	80.0	81.0	SSE	0. 6		None.	None.	None.	None.
11 „	.813	.958	82.0	77.0	5.0	75.0	.80	80.6	81.0	„	0.6					
Noon.	.791	.917	83.9	78.0	5.9	75.7	.77	82·0	81.0	„	0.2	None.				
1 p. m.	.784	.922	85.0	78.0	7.0	75.3	.74	82.5	81.1	„	0.4					
2 „	.758	.923	83.8	77.0	6.8	74.3	.74	82.0	81.2	SSW	0.3					
3 „	.752	.908	81.6	76.6	5.0	74.6	.80	81.0	81.3	SW	0.6					
4 „	.749	.934	80.3	75·5	4.8	73.7	.81	80.0	81.3	WSW	0.2					
5 „	.752	.935	79.4	75.3	4·1	73.6	.83	79.8	81.3	„	0·0					
6 „	.761	.918	79·5	76.0	3.5	74.6	.86	79.8	81.3	„	0.2					
7 „	.781	.032	79.0	76.0	3.0	74.8	.88	79.4	81.3	„	0.1					
8 „	.800	.962	78.6	75.6	3.0	74.4	.88	79.1	81.3	„	0.1					
9 „	.813	.971	78.2	75.6	2.6	74.6	.89	78.7	81.2	„	0.1					
10 „	.818	.960	78.2	76.0	2.2	75.1	.91	78.5	81.2	SW	0.4					
11 „	.816	.956	78.0	76.0	2.0	75.2	.92	78.1	81.1	SW b S	0·5					
Sept. 12th-Midnight	.810	.931	78.0	76.5	1.5	75.9	.94	78.5	81.2	SSW	0.7					
1 a. m.	.799	.937	77.8	76.0	1.8	75.3	.92	78·5	81.1	„	0.3					
2 „	.795	.946	77.6	75.6	2.0	74.8	·92	78.2	81.1	„	0.3					
3 „	.787	.934	77.2	75.6	1.6	75·0	.93	78.0	81.1	„	0.2					
4 „	.790	.933	76·9	75.6	1.3	75.1	.94	77.9	81.1	„	0.4					
5 „	.809	.954	76.7	75.5	1.2	75.0	.95	77.8	81.0	„	0.5					
6 „	.829	.983	76.5	75.2	1.3	74·7	.94	77.5	81.0	„	0.5					
7 „	.839	.970	77.2	76.0	1·2	75.5	.95	77.9	81.0	„	0.4	None.	None.	None.	None.	None.
8 „	.855	.971	79.4	77.0	2.4	76.1	.90	79.3	81.0	„	0.4					
9 „	.862	.949	80.4	78·0	2.4	77.1	.90	80.0	81.0	„	0·5					
10 „	.865	.949	82.4	78.6	3·8	77.2	·85	81.0	81·0	„	0.2					
11 „	.857	.950	83.2	78.6	4 6	76.9	.82	81.5	81.0	„	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ≀— cirro-strati; ⌒— cumulo-strati; and ≀≀ nimbi.	
6	R	≀≀ scattered about, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 81°7 and 83°1. Daily fall of rain by Osler's Gauge 0·18 in.
3	B	≀≀ scattered about hor., moving ENE.	
6	B	≀≀ scattered about, moving ENE.	
8	B	Overcast; rain from 3h. 1m. to 3h. 28m.	
6	B	≀≀ scattered about, moving ENE.	
6	C	" "	
8	C	Overcast; a shower of rain at 6h. 8m., which lasted 2m.	
8	C	Overcast with ≀≀, moving NE; a break above W hor.	
8	C	Overcast; a break in WSW.	
7	R	≀≀ scattered throughout, moving NE.	
7	R	Clouded as before; slight rain between 10h. 37m. and 10h. 40m.	
6	R	≀≀ scattered throughout, moving NE; drizzling rain from 11h. 55m. to 12h. 0m.	
7	R	≀≀ scattered about, moving ENE.	
6	B	" "	
6	B	" "	
4	B	≀≀ scattered about, moving ENE.	
5	B	" "	
4	C	≀≀ scattered about hor., moving ENE.	
6	C	≀≀ scattered about, moving NE.	
4	C	" "	
4	C	" "	
7	R	≀≀ and ≀≀ scattered about, the former moving NE.	
2	R	≀≀ scattered about hor., moving NE.	
8	R	Overcast; slight rain from 11h. 2m. to 11h. 10m.	
8	R	≀≀ scattered throughout, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 81°9 and 83°1.
7	B	" "	
3	B	≀≀ scattered about hor., moving ENE.	
2	B	" "	
3	B	" "	
8	C	Overcast with ≀≀, moving NNW.	
4	C	≀≀ around hor.; ≀ scattered about.	
5	C	≀≀ scattered about, moving NNE.	
6	C	" "	
8	R	≀≀ scattered throughout, moving NE.	
7	R	" "	
7	R	≀≀ around hor.; ≀ scattered throughout.	
5	R	" "	
5	B	≀≀ and ≀ scattered about, the former moving NNE.	
6	B	≀≀ scattered about, moving NNE.	
8	B	≀≀ scattered throughout, moving NE.	
8	B	≀≀ and ≀ scattered about, the former moving NE.	
8	C	" " "	
8	C	" " "	
7	C	≀≀ around hor.; ≀ scattered throughout.	
5	C	≀≀ scattered about, moving NE; a lunar-halo.	
4	R	≀≀ around hor.; ≀ scattered about; a lunar-halo.	
6	R	≀≀ scattered throughout, moving NNE.	
6	R	" "	
5	R	≀≀ scattered about, moving N.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°1.
5	B	≀≀ and ≀ scattered about, the former moving N.	
4	B	Clouded as before, but the motion of clouds was NNE.	
3	B	≀≀ around hor.; ≀ scattered throughout.	
5	B	" "	
4	C	" "	
4	C	" "	
3	C	" "	
3	C	" "	
4	R	≀≀ around hor.; ≀ scattered throughout.	
4	R	≀≀ and ≀ scattered about, the former moving N.	
5	R	" " "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 12th-Noon.	29.843	28.928	84°0	79°0	5°0	77°2	0.81	82°0	81°1	SSW	0.4					
1 p. m.	.827	.935	85.0	78.7	6.3	76.4	.76	82.5	81.2	,,	0.2					
2 ,,	.812	.942	86.2	78.5	7.7	75.6	.71	83.1	81.3	,,	0.2					
3 ,,	.807	.916	86.2	79.0	7.2	76.3	.73	83.4	81.4	SW b W	0.2					
4 ,,	.802	.957	84.8	77.5	7.3	74.7	.73	82.8	81.5	WSW	0.3	None.	None.	None.	None.	None.
5 ,,	.793	.945	82.6	77.0	5.6	74.8	.78	81.6	81.5	,,	0.1					
6 ,,	.804	.974	80.7	76.0	4.7	74.1	.81	80.7	81.6	,,	0.1					
7 ,,	.824	29.012	79.6	75.2	4.4	73.4	.82	80.0	81.5	,,	0.0					
8 ,,	.831	.009	79.3	75.4	3.9	73.8	.84	79.8	81.5	,,	0.0					
9 ,,	.839	28.992	79.0	76.0	3.0	74.8	.88	79.0	81.4	,,	0.0					
10 ,,	.848	.995	78.6	76.0	2.6	75.0	.89	79.0	81.5	,,	0.0					
11 ,,	.844	.988	78.4	76.0	2.4	75.1	.90	78.9	81.5	,,	0.0					
Sept 13th-Midnight	.834	29.013	78.0	75.0	3.0	73.8	.87	78.2	81.3	WSW	0.0					
1 a. m.	.816	28.993	77.8	75.0	2.8	73.8	.88	78.1	81.4	,,	0.0					
2 ,,	.798	.990	77.5	74.5	3.0	73.3	.87	78.0	81.3	,,	0.0					
3 ,,	.792	.984	77.5	74.5	3.0	73.3	.87	78.0	81.3	,,	0.0					
4 ,,	.793	.994	77.2	74.2	3.0	73.0	.87	77.6	81.3	,,	0.0					
5 ,,	.805	.956	77.2	75.5	1.7	74.8	.93	77.5	81.3	,,	0.1					
6 ,,	.817	.961	77.4	76.0	1.4	75.1	.94	77.9	81.2	,,	0.1					
7 ,,	.839	.949	78.8	77.0	1.8	76.3	.92	79.0	81.1	,,	0.2					
8 ,,	.860	.944	80.5	78.1	2.4	77.2	.90	80.0	81.2	,,	0.2					
9 ,,	.873	29.007	81.0	77.0	4.0	75.4	.84	80.2	81.2	,,	0.2					
10 ,,	.880	28.991	82.5	78.0	4.5	76.3	.82	81.3	81.2	,,	0.5					
11 ,,	.876	29.006	83.5	77.8	5.7	75.6	.78	81.7	81.3	,,	0.6					
Noon.	.862	.000	85.0	78.0	7.0	75.3	.74	82.2	81.3	,,	0.4					
1 p. m.	.851	.025	85.4	77.2	8.2	74.0	.69	82.8	81.3	,,	0.2	None.	None.	None.	None.	None.
2 ,,	.824	28.993	86.0	77.5	8.5	74.1	.69	82.9	81.4	,,	0.2					
3 ,,	.817	.953	86.3	78.4	7.9	75.4	.71	83.2	81.5	,,	0.2					
4 ,,	.805	.927	85.5	78.5	7.0	75.9	.74	83.0	81.6	,,	0.2					
5 ,,	.807	.985	83.8	76.8	7.0	73.8	.74	82.0	81.6	W b S	0.2					
6 ,,	.813	.988	81.2	76.0	5.2	73.9	.79	81.0	81.5	,,	0.1					
7 ,,	.835	.984	80.6	76.5	4.1	74.9	.84	80.6	81.5	,,	0.1					
8 ,,	.843	29.000	79.5	76.0	3.5	74.6	.86	79.9	81.5	,,	0.1					
9 ,,	.861	.021	79.8	76.0	3.8	74.5	.85	79.9	81.5	,,	0.2					
10 ,,	.861	.016	79.4	76.0	3.4	74.7	.86	79.6	81.5	,,	0.2					
11 ,,	.849	.017	78.8	75.5	3.3	74.2	.86	79.0	81.5	W	0.1					
Sept 14th-Midnight	.833	.014	78.2	75.0	3.2	73.7	.87	78.9	81.6	W	0.5					
1 a. m.	.830	.035	78.3	74.4	3.9	72.8	.84	78.5	81.5	,,	0.1					
2 ,,	.819	.029	78.0	74.2	3.8	72.6	.84	78.3	81.4	,,	0.0					
3 ,,	.806	.012	77.9	74.2	3.7	72.8	.85	78.3	81.4	,,	0.1					
4 ,,	.800	.035	77.3	73.3	4.0	71.6	.83	78.0	81.4	,,	0.1					
5 ,,	.815	.044	77.0	73.4	3.6	71.8	.85	77.6	81.4	,,	0.1					
6 ,,	.827	.033	77.0	74.0	3.0	72.8	.87	77.7	81.3	,,	0.0					
7 ,,	.848	.038	79.0	75.0	4.0	73.3	.84	79.0	81.3	,,	0.0					
8 ,,	.867	.042	81.2	76.0	5.2	73.9	.79	80.1	81.2	,,	0.2					
9 ,,	.879	.063	82.0	76.0	6.0	73.6	.77	80.5	81.3	,,	0.4					
10 ,,	.879	.043	83.7	77.0	6.7	74.3	.74	81.5	81.3	,,	0.5					
11 ,,	.872	.008	84.8	78.0	6.8	75.4	.74	82.2	81.3	,,	0.5					
Noon.	.851	28.998	85.8	78.0	7.8	75.0	.71	83.0	81.4	WSW	0.5					
1 p. m.	.837	.993	86.6	78.0	8.6	74.6	.69	83.3	81.4	,,	0.4					
2 ,,	.822	.968	85.7	78.0	7.7	75.0	.71	83.0	81.5	,,	0.2					
3 ,,	.807	.981	86.1	77.4	8.7	74.0	.68	83.2	81.6	,,	0.4					
4 ,,	.799	.983	85.5	77.0	8.5	73.6	.69	83.0	81.6	,,	0.2					
5 ,,	.797	29.003	82.2	75.5	6.7	72.8	.74	81.6	81.6	,,	0.1					
6 ,,	.804	.013	80.7	75.0	5.7	72.6	.77	80.7	81.7	,,	0.0					
7 ,,	.821	.022	80.0	75.0	5.0	73.0	.80	80.2	81.6	WNW	0.3					
8 ,,	.823	.031	79.2	74.6	4.6	72.7	.81	79.7	81.6	,,	0.1					
9 ,,	.825	.012	79.5	75.2	4.3	73.5	.83	79.8	81.6	,,	0.0					
10 ,,	.831	.048	79.4	74.4	5.0	72.3	.80	79.6	81.6	,,	0.2					
11 ,,	.823	.011	78.8	75.0	3.8	73.4	.84	78.9	81.5	,,	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	
6	R	≀≀ and ≀ scattered about, the former moving N.	
5	B	≀≀ around hor.; ≀ scattered about.	
3	B	∩ along E hor; ≀≀ around hor.; ≀ scattered about.	
5	B	Clouded as before.	
5	B	" "	
5	C	" "	
5	C	≀≀ around hor.; ≀ scattered about.	
3	C	≀≀ and ≀ scattered about hor.	
4	C	≀≀ and ≀ scattered about, the former moving ENE.	
3	R	≀≀ around hor.; ≀ scattered about; a partial lunar-halo at 9h. 40m.	
6	R	≀≀ scattered about, moving NNE.	
5	R	" "	
2	R	≀≀ and ≀ scattered about hor., the former moving NNE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°1 and 83°2.
2	B	≀≀ scattered about hor., moving NE.	
2	B	" "	
3	B	" "	
3	B	" "	
7	C	" "	
6	C	≀≀ and ≀ scattered throughout, the former moving NNE.	
5	C	Clouded as before.	
4	C	" "	
4	R	≀≀ scattered about, moving NNE.	
4	R	≀≀ scattered about, moving NE.	
5	R	" "	
4	R	≀≀ scattered about; ≀ observed here and there.	
4	B	≀≀ around hor; ≀ scattered about.	
3	B	" "	
4	B	≀≀ and ≀ scattered about, the former moving ENE.	
4	B	Clouded as before.	
5	C	" "	
6	C	" "	
7	C	" "	
6	C	≀≀ scattered about, moving ENE.	
6	R	≀≀ scattered about, moving E.	
3	R	" "	
4	R	≀≀ scattered about, moving ENE.	
4	R	≀≀ scattered about hor., moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°1 and 85°2.
3	B	" "	
3	B	" "	
3	B	" "	
2	B	" "	
2	C	" "	
4	C	≀≀ and ≀ scattered about, the former moving ENE.	
7	C	Clouded as before.	
5	C	" "	
6	R	≀≀ around hor., moving NE.; ≀ scattered throughout.	
5	R	" " "	
4	R	≀≀ and ≀ scattered about, the former moving E.	
6	R	" " "	
6	B	≀≀ and ≀ scattered about, the former moving ENE; drizzling rain between 1h. 17m. and 1h. 29m.	
6	B	Clouded as before; no rain.	
6	B	" "	
5	B	" "	
7	C	∩ along E hor.; otherwise clouded as before.	
6	C	" " "	
7	C	≀≀ scattered throughout, moving ENE.	
8	C	" "	
8	C	Overcast with ≀≀, moving E.	
7	C	≀≀ scattered about, moving E.	
5	C	" "	

Bombay Civil Time, 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 8 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds between the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 16th-Midnight	29.800	28.986	78°6	75°0	3°6	73°5	0.85	79°0	81°5	W b N	0.1					
1 a. m.	.788	.989	78.6	74.6	4.0	73.0	.84	78.9	81.5	„	0.1					
2 „	.778	.981	78.6	74.5	4.1	72.9	.83	78.9	81.5	„	0.2					
3 „	.766	29.024	78.4	73.0	5.4	70.6	.78	78.8	81.5	„	0.2					
4 „	.760	.004	78.4	73.4	5.0	71.2	.79	78.7	81.4	W	0.3					
5 „	.774	28.989	77.8	74.0	3.8	72.4	.84	78.4	81.4	„	0.0					
6 „	.786	.967	78.2	75.0	3.2	73.7	.87	78.6	81.4	„	0.0					
7 „	.795	.944	78.8	76.0	2.8	74.9	.88	79.2	81.3	W b N	0.3					
8 „	.824	.971	80.9	76.9	4.0	75.0	.84	80.3	81.3	„	0.0					
9 „	.823	.946	80.0	77.0	3.0	75.8	.88	80.0	81.3	„	0.2	0.03				
10 „	.817	.944	82.2	77.5	4.7	75.7	.81	81.0	81.3	„	0.4					
11 „	.805	.958	82.7	77.0	5.7	74.7	.78	81.3	81.4	„	0.1		None.	None.	None.	None.
Noon.	.785	.950	83.8	77.0	6.8	74.3	.74	82.0	81.4	WNW	0.4					
1 p. m.	.764	.957	84.6	76.5	8.1	73.2	.70	82.3	81.4	W	0.5					
2 „	.743	.917	84.6	77.0	7.6	74.0	.72	82.3	81.4	NW b W	0.3					
3 „	.730	.932	85.0	76.4	8.6	72.9	.68	82.4	81.5	„	0.3					
4 „	.729	.948	83.4	75.5	7.9	72.2	.70	81.8	81.6	„	0.3					
5 „	.733	.957	82.5	75.1	7.4	72.0	.72	81.6	81.6	„	0.3					
6 „	.748	.978	79.2	74.0	5.2	71.8	.79	79.7	81.6	NW	0.2					
7 „	.770	29.004	79.5	74.0	5.5	71.6	.78	79.7	81.5	„	0.2					
8 „	.794	.022	79.0	74.0	5.0	71.8	.80	79.4	81.5	„	0.0					
9 „	.809	28.999	79.0	75.0	4.0	73.3	.84	79.0	81.5	„	0.0					
10 „	.803	.993	79.0	75.0	4.0	73.3	.84	79.0	81.5	„	0.5					
11 „	.795	.982	78.7	75.0	3.7	73.5	.85	79.0	81.4	NW b N	0.2					
Sept. 17th-Midnight	.783	.969	78.6	75.0	3.6	73.5	.85	79.0	81.4	NW	0.3					
1 a. m.	.770	.965	77.8	74.5	3.3	73.2	.86	78.4	81.4	„	0.8	0.01				
2 „	.762	.991	75.7	73.0	2.7	71.8	.88	76.8	81.3	„	0.0	0.01				
3 „	.750	.929	76.6	74.6	2.0	73.8	.91	77.5	81.2	„	0.1					
4 „	.758	.941	76.7	74.5	2.2	73.6	.91	77.3	81.2	„	0.0					
5 „	.769	29.001	76.0	73.0	3.0	71.7	.87	77.2	81.1	„	0.1	0.02				
6 „	.788	28.984	75.4	73.8	1.6	73.1	.93	76.9	81.0	„	0.0					
7 „	.808	29.006	76.3	74.0	2.3	73.0	.90	77.4	81.0	„	0.1					
8 „	.828	.012	77.8	74.8	3.0	73.6	.87	77.9	81.0	NNW	0.3					
9 „	.839	.001	78.2	75.5	2.7	74.4	.89	78.0	81.0	NE b N	0.5					
10 „	.842	.013	79.4	75.6	3.8	74.1	.84	79.0	81.0	ENE	0.5					
11 „	.839	.020	80.7	75.7	5.0	73.7	.80	80.0	81.0	„	0.2		None.	None.	None.	None.
Noon.	.815	28.960	82.0	77.0	5.0	75.0	.80	80.3	81.0	„	0.2					
1 p. m.	.787	.967	83.8	76.6	7.2	73.7	.73	81.0	81.0	„	0.1					
2 „	.765	.939	84.6	77.0	7.6	74.0	.72	81.5	81.0	„	0.1					
3 „	.761	.976	84.8	76.0	8.8	72.4	.68	82.1	81.1	WNW	0.5					
4 „	.753	.989	83.2	75.0	8.2	71.5	.69	81.1	81.2	„	0.2					
5 „	.750	.971	81.8	75.0	6.8	72.1	.74	80.8	81.2	„	0.2					
6 „	.765	.971	80.8	75.1	5.7	72.8	.77	80.5	81.1	„	0.1					
7 „	.781	29.026	79.2	73.6	5.6	71.2	.77	79.2	81.1	„	0.1					
8 „	.801	.018	78.0	74.0	4.0	72.3	.83	78.5	81.1	NW b W	0.0					
9 „	.820	28.999	78.0	75.0	3.0	73.8	.87	78.0	81.1	„	0.0					
10 „	.820	.995	77.6	75.0	2.6	73.9	.89	78.0	81.1	„	0.0					
11 „	.810	.985	77.6	75.0	2.6	73.9	.89	77.7	81.1	„	0.1					
Sept. 18th-Midnight	.804	.972	77.0	75.0	2.0	74.2	.91	77.5	81.0	NW	0.2					
1 a. m.	.798	29.003	76.9	74.0	2.9	72.8	.88	77.5	81.0	NNW	0.2					
2 „	.794	28.995	76.5	74.0	2.5	73.0	.89	77.3	81.0	N b W	0.1					
3 „	.791	.990	76.4	74.0	2.4	73.0	.90	77.2	81.0	„	0.1					
4 „	.799	29.013	76.1	73.5	2.6	72.4	.89	77.0	80.9	„	0.1					
5 „	.816	.013	75.5	73.8	1.7	73.1	.93	76.4	80.9	„	0.0					
6 „	.843	.038	76.0	74.0	2.0	73.2	.91	77.0	80.8	„	0.0	None.	None.	None.	None.	None.
7 „	.867	.010	77.9	75.9	2.0	75.1	.91	78.0	80.8	„	0.0					
8 „	.892	.046	79.3	76.0	3.3	74.7	.86	79.1	80.8	„	0.2					
9 „	.909	.041	80.8	77.0	3.8	75.5	.85	79.5	80.8	„	0.2					
10 „	.909	.054	82.0	77.0	5.0	75.0	.80	80.5	81.0	N	0.3					
11 „	.897	.042	82.0	77.0	5.0	75.0	.80	80.5	81.0	N b W	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤ cirro-cumuli; ≤ cumuli; ≤ cirro-strati; ≤ cumulo-strati; and ≤ nimbi.	
8	R	Overcast with ≤, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°1. Daily fall of rain by Osler's Gauge 0·03 in.
8	B	Overcast; a few stars dimly visible.	
8	B	" "	
7	B	≤ scattered throughout, moving E.	
6	B	≤ and ≤ scattered about, the former moving E.	
7	C	Clouded as before.	
7	C	" "	
5	C	≤ scattered about, moving E.	
7	C	≤ scattered throughout; light rain between 8h. 0m. and 8h. 12m.	
7	R	Clouded as before, but no rain.	
4	R	≤ scattered about, moving E.	
5	R	" "	
5	R	" "	
6	B	" "	
3	B	≤ scattered about hor., moving E.	
5	B	≤ along E hor.; ≤ scattered about, moving E.	
7	B	" " "	
7	C	" " "	
6	C	" " "	
6	C	≤ scattered about, moving E.	
5	C	" "	
8	R	Overcast.	
8	R	"	
8	R	"	
7	R	≤ scattered throughout, moving ENE; light rain from 0h. 40m. to 0h. 43m.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°0. Daily fall of rain by Osler's Gauge 0·04 in.; at 6 A. M. the temperature of air was 75·4, lowest in the month.
7	B	≤ scattered about, moving E; light rain from 1h. 39m. to 1h. 44m.	
8	B	Overcast with ≤, moving E.	
8	B	" "	
7	B	≤ scattered throughout, moving E; rain commenced at 4h. 43m.	
8	C	Overcast; rain ceased at 5h. 19m.	
8	C	Overcast; no rain.	
7	C	≤ scattered throughout, moving E.	
7	C	" "	
8	R	" "	
8	R	" "	
6	R	" "	
5	R	≤ scattered about, moving ENE.	
3	B	≤ around hor.; ≤ scattered about.	
3	B	≤ along E hor.; ≤ around hor.	
7	B	≤ along E hor.; ≤ scattered about, moving E.	
6	B	" " "	
6	C	" " "	
6	C	" " "	
7	C	≤ scattered throughout, moving E.	
4	C	≤ scattered about hor.	
2	R	" "	
3	R	≤ around hor.; ≤ scattered here and there.	
7	R	≤ scattered throughout; light drops of rain between 11h. 20m. and 11h. 45m.	
6	R	≤ scattered throughout, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°0. At 9 and 10 A. M. the barometer was 29·909, highest in the month.
6	B	≤ scattered about, moving N.	
5	B	" "	
3	B	≤ scattered about hor.	
6	B	≤ scattered throughout, moving SE.	
3	C	≤ around hor.; slight dew at the time of observation; a few drops of rain at 5h. 55m.	
6	C	≤ scattered about, moving SE.	
2	C	≤ scattered about hor.	
3	C	" "	
3	R	≤ scattered about, moving SE.	
4	R	≤ scattered about, moving E.	
4	R	≤ scattered about, moving ESE.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 18th-Noon.	29.876	29.039	83°6	77°0	6°6	74°4	0.75	81°2	81°0	N b W	0.4					
1 p. m.	.851	.042	84.5	76.5	8.0	73.3	.70	81.5	81.0	N	0.2					
2 „	.835	.039	84.8	76.3	8.5	72.8	.68	82.1	81.0	„	0.4					
3 „	.827	.030	85.5	76.5	9.0	72.9	.67	82.3	81.1	„	0.2					
4 „	.823	.038	84.8	76.0	8.8	72.4	.68	82.0	81.1	N b W	0.1					
5 „	.813	.039	83.0	75.2	7.8	71.9	.70	81.6	81.1	„	0.1	None.	None.	None.	None.	None.
6 „	.820	.057	80.8	74.3	6.5	71.5	.74	80.3	81.1	„	0.1					
7 „	.833	.077	79·8	73.8	6.0	71.2	.76	79 8	81.1	NNW	0.2					
8 „	.855	.090	79.6	74.0	5.6	71.6	.78	79·7	81.1	„	0.2					
9 „	.871	.065	79.4	75.0	4.4	73.2	.82	79.0	81·0	„	0.2					
10 „	.877	.107	79.2	74.0	5.2	71.8	.79	79.0	81.1	„	0.5					
11 „	.871	.063	79.2	75.0	4.2	73.3	.83	79.0	81.1	„	0.7					
Sept. 19th-Midnight	.859	.087	79·0	74.0	5.0	71.8	.80	79.0	81.0	NNW	0.5					
1 a. m.	.854	.080	78.8	74.0	4.8	71.9	.80	79.0	81.1	„	0.2					
2 „	.829	.079	78.5	73.5	5.0	71.4	.80	78.6	81.1	„	0.2					
3 „	.834	.014	78.1	75.0	3.1	73.7	.87	78.5	81.0	„	0.1					
4 „	.836	.009	78·2	75.2	3.0	74.0	.87	78.7	81.0	„	0.0					
5 „	.840	.015	77.6	75.0	2.6	73.9	.89	78.0	81.0	„	0.0					
6 „	.852	.009	77.4	75.4	2.0	74.6	.91	77.8	81.0	„	0 6					
7 „	.868	.041	78.2	75.2	3.0	74.0	.87	78.2	81.0	„	0.2					
8 „	.886	.045	79.7	76.0	3.7	74.5	.85	79.1	81.0	NE b N	0·2					
9 „	.889	.051	81.0	76.3	4.7	74.4	.81	80.0	81.0	„	0.2					
10 „	.889	.034	82.0	77.0	5.0	75.0	.80	80.9	81.0	„	0.3					
11 „	.870	28.992	83.5	78.0	5 5	75.9	.79	81.7	81.0	„	0.3	None.				
Noon.	.842	29.005	83.6	77.0	6.6	74·4	.75	81.5	81.0	„	0.1		None.	None.	None.	None.
1 p. m.	.821	.034	84.6	76.0	8.6	72.5	·68	82.1	81·1	N	0.1					
2 „	.802	.021	85.2	76·0	9.2	72.2	.66	82.2	81.2	NNW	0.2					
3 „	.793	.014	85.4	76.0	9.4	72.1	·66	82.8	81.3	„	0.4					
4 „	.786	.042	85.0	75.0	10.0	70.7	.64	82.4	81.3	„	0.1					
5 „	.776	.021	83.0	74.7	8.3	71.2	.69	81·5	81.3	„	0.2					
6 „	.787	.056	80.9	74.0	6.9	71.0	.73	80.5	81.3	„	0.4					
7 „	.803	.043	80.1	74.0	6.1	71.4	.76	80.0	81.3	„	0.2					
8 „	.819	.054	79.6	74.0	5.6	71.6	.78	80.0	81.3	„	0.3					
9 „	.827	.045	79.0	74.0	5.0	71.9	.80	79.2	81.2	„	0.1					
10 „	.830	.095	79·0	73.0	6·0	70.3	.76	79.2	81.2	„	0.1					
11 „	.829	.056	78.9	74.0	4.9	71.9	.80	78.8	81.2	„	0.1					
Sept. 20th-Midnight	.827	.051	78.6	74.0	4.6	72.9	.81	78.6	81.2	NNW	0.2					
1 a. m.	.815	.055	78.8	73.6	5.2	71.4	.78	79.0	81.2	„	0.2					
2 „	.795	.043	78.5	73.3	5.2	71.0	·78	78.7	81.1	„	0.3					
3 „	.788	.027	78.3	73.5	4.8	71.4	.80	78.5	81.1	„	0.2					
4 „	.788	.042	78.0	73.0	5.0	70.8	.79	78.2	81.1	„	0.1					
5 „	.799	28.976	77.8	75.0	2.8	73.8	.88	78.2	81.1	„	0.0					
6 „	.817	.994	77.8	75.0	2.8	73.8	.88	78.6	81.0	NNE	0.3					
7 „	.837	29·016	78.0	75.0	3.0	73.8	.87	78.8	81.0	NE b N	0.4					
8 „	·858	.040	78.3	75.0	3.3	73.6	.86	78.9	81.0	„	0.0					
9 „	.859	.033	80.2	76.0	4.2	74.3	.83	79.5	81.0	„	0.1					
10 „	.875	.040	82.0	76.5	5.5	74.3	·78	80.6	81.0	NE	0.5					
11 „	·861	·019	83.2	77.0	6.2	74.6	.76	81.4	81.0	„	0.2	None.	None.	None.	None.	None.
Noon.	.841	.037	83.8	76.2	7.6	73.1	71	81.5	81.0	„	0.3					
1 p. m.	.822	.026	84.8	76.3	8.5	72.8	.68	82.0	81.1	N b W	0.2					
2 „	.793	.047	84.8	75.0	9.8	70.8	.64	82.0	81.1	„	0.2					
3 „	.776	28.993	85.0	76.0	9.0	72.3	.67	82.2	81.2	NNW	0.1					
4 „	.770	29.004	84.8	75.5	9.3	71.6	.66	82.0	81.3	„	0.2					
5 „	.759	28.991	82.8	75.0	7.8	71.7	.70	81.3	81.3	„	0.2					
6 „	.770	29.030	80.6	73.6	7.0	70 5	.73	80.2	81.3	„	0.1					
7 „	.789	.028	80.0	74.0	6.0	71.4	.76	79.8	81.2	„	0.2					
8 „	.809	.048	79.3	73·8	5 5	71.4	.78	79.3	81.2	„	0.0					
9 „	.826	.054	79.0	74.0	5.0	71·8	.80	79.0	81.2	„	0.2					
10 „	.829	.052	78.5	74.0	4.5	72·0	.82	78·5	81.2	„	0.2					
11 „	.821	.038	78.0	74.0	4.0	72.3	.83	78.0	81.2	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒≀ cumulo-strati; and ≀≀ nimbi.	
2	R	≀≀ scattered about hor., moving ESE.	
2	B	" " "	
4	B	⌒ along E hor.; ≀≀ scattered about, moving SE.	
3	B	" " "	
3	B	" " "	
3	C	" " "	
3	C	≀≀ and ≀ scattered around hor.	
2	C	≀≀ scattered about hor.	
2	C	" "	
2	R	≀≀ around hor.; ≀ scattered here and there.	
2	R	" " "	
6	R	≀≀ scattered about, moving E.	
6	R	≀≀ scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°0.
7	B	≀≀ scattered about, moving ESE.	
4	B	" "	
6	C	" "	
8	C	" "	
5	R	" "	
8	R	" "	
5	B	" "	
3	B	≀≀ scattered about hor., moving SE.	
4	C	≀≀ scattered about, moving ESE.	
4	C	" "	
4	R	" "	
4	R	≀≀ scattered about, moving SSE.	
3	B	⌒ along E hor.; ≀≀ scattered around hor.	
2	B	" "	
2	C	" "	
1	C	" "	
1	R	≀≀ and ≀ scattered around hor.	
2	R	≀≀ above W hor; ≀ scattered here and there.	
1	B	Small masses of ≀≀ scattered about, moving SE.	
2	B	≀≀ and ≀ scattered about hor., moving SE.	
2	C	" "	
4	C	≀≀ and ≀ scattered about, the former moving SE; a lunar-halo at 10h. 42m.	
6	R	≀≀ and ≀ scattered about, the former moving SE; a partial lunar-halo.	
5	R	≀≀ and ≀ scattered about, the former moving SE.	
5	B	" " "	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°0.
4	B	≀≀ scattered about, moving SE.	
6	B	≀≀ scattered about, moving ESE.	
7	B	" "	
7	C	" "	
8	C	Overcast with ≀≀, moving W.	
7	C	≀≀ scattered throughout; a rainbow in W; a few drops of rain at 7h. 39m.	
7	C	≀≀ scattered throughout, moving W.	
6	R	≀≀ scattered throughout, moving SSE.	
5	R	≀≀ scattered about, moving SE.	
5	R	≀≀ and ≀ scattered about, the former moving SE.	
4	R	≀≀ and ≀ scattered about, the former moving E.	
5	B	⌒ along E hor.; ≀≀ scattered about, moving ENE.	
2	B	⌒ along E hor.; ≀≀ around hor.	
2	B	" "	
2	B	" "	
3	C	⌒ along E hor.; ≀≀ and ≀ scattered about hor.	
3	C	≀≀ around hor.; ≀ scattered about.	
3	C	" "	
3	C	≀≀ and ≀ scattered about hor.	
5	R	≀≀ and ≀ scattered about, the former moving SE.	
5	R	≀≀ and ≀ scattered about, the former moving E.	
4	R	≀≀ scattered about hor., moving E.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 21st-Midnight	29.816	29.041	77°0	73°5	3°5	72°0	0.85	77°7	81.2	NNW	0.1					
1 a. m.	.796	.035	76.6	73.0	3.6	71.4	.85	77.3	81.1	„	0.1					
2 „	.786	.031	76.5	72.8	3.7	71.2	.84	77.0	81.1	„	0.0					
3 „	.778	.026	75.8	72.5	3.3	71.0	.86	76.9	81.1	„	0.0					
4 „	.783	.007	76.3	73.3	3.0	72.0	.87	77.1	81.0	„	0.1					
5 „	.792	28.965	76.8	74.8	2.0	74.0	.91	77.9	81.0	„	0.2					
6 „	.816	29.001	76.9	74.5	2.4	73.5	.90	78.1	80.9	„	0.2					
7 „	.838	.047	77.3	74.0	3.3	72.6	.86	78.1	80.8	„	0.2					
8 „	.859	.053	79.4	75.0	4.4	73.2	.82	79.1	80.8	NNE	0.1					
9 „	.869	.031	80.0	76.0	4.0	74.4	.84	79.2	80.8	„	0.5	None.	None.	None.	None.	None.
10 „	.873	.011	81.4	77.0	4.4	75.3	.82	80.0	80.8	„	0.5					
11 „	.858	28.991	82.4	77.4	5.0	75.5	.80	81.0	80.9	„	0.5					
Noon.	.833	29.035	83.6	76.0	7.6	72.9	.71	81.5	81.0	„	0.3					
1 p. m.	.817	.021	84.6	76.2	8.4	72.8	.69	81.8	81.0	N	0.1					
2 „	.800	.017	85.0	76.0	9.0	72.3	.67	82.0	81.0	„	0.2					
3 „	.789	28.989	85.6	76.6	9.0	73.0	.67	82.5	81.1	N b W	0.1					
4 „	.775	.998	84.8	75.8	9.0	72.0	.67	82.0	81.2	„	0.2					
5 „	.780	29.014	83.0	75.0	8.0	71.6	.70	81.0	81.3	NNW	0.1					
6 „	.787	.035	80.8	74.0	6.8	71.0	.73	80.3	81.3	„	0.1					
7 „	.801	.059	80.0	73.5	6.5	70.6	.74	80.0	81.3	„	0.1					
8 „	.813	.078	79.2	73.0	6.2	70.3	.75	79.2	81.2	„	0.2					
9 „	.831	.080	78.6	73.3	5.3	71.0	.79	79.0	81.2	„	0.2					
10 „	.831	.078	78.0	73.2	4.8	71.1	.80	78.2	81.1	„	0.1					
11 „	.820	.070	77.6	73.0	4.6	71.0	.81	77.8	81.1	„	0.1					
Sept.23rd-Midnight	.833	.014	78.2	75.0	3.2	73.7	.87	78.5	81.2	NNW	0.0					
1 a. m.	.830	.035	76.6	74.2	3.4	72.8	.86	78.3	81.2	„	0.0					
2 „	.816	.017	77.2	74.2	3.0	73.0	.87	78.1	81.1	„	0.1					
3 „	.814	.015	77.2	74.2	3.0	73.0	.87	77.9	81.1	„	0.1					
4 „	.814	28.989	77.6	75.0	2.6	73.9	.89	78.1	81.1	„	0.1					
5 „	.817	.985	77.0	75.0	2.0	74.2	.91	77.7	81.1	„	0.1					
6 „	.829	.997	77.0	75.0	2.0	74.2	.91	77.8	81.0	„	0.0					
7 „	.834	.983	78.8	76.0	2.8	74.9	.88	79.0	81.0	„	0.0					
8 „	.853	.980	80.4	77.0	3.4	75.7	.86	80.0	81.0	„	0.1					
9 „	.857	.991	81.0	77.0	4.0	75.4	.84	80.0	81.0	„	0.2					
10 „	.851	.963	82.6	78.0	4.6	76.2	.82	81.0	81.0	„	0.5					
11 „	.833	29.001	82.7	76.6	6.1	74.2	.76	81.4	81.0	„	0.1	None.	None.	None.	None.	None.
Noon.	.812	28.981	84.2	77.0	7.2	74.1	.73	82.0	81.2	„	0.5					
1 p. m.	.790	.956	85.4	77.4	8.0	74.3	.70	82.6	81.3	N b W	0.2					
2 „	.772	.943	86.2	77.5	8.7	74.1	.68	83.2	81.3	NNW	0.1					
3 „	.765	.931	85.8	77.5	8.3	74.3	.69	83.2	81.4	„	0.1					
4 „	.766	.938	85.2	77.2	8.0	74.0	.70	83.0	81.5	„	0.1					
5 „	.753	.956	83.7	76.0	7.7	72.9	.71	82.2	81.5	„	0.3					
6 „	.773	.955	81.8	76.0	5.8	73.6	.77	81.3	81.5	„	0.2					
7 „	.793	.997	81.0	75.2	5.8	72.8	.77	80.9	81.5	„	0.2					
8 „	.818	.990	80.9	76.0	4.9	74.0	.80	80.9	81.5	„	0.1					
9 „	.829	.978	80.6	76.5	4.1	74.9	.84	80.5	81.5	„	0.1					
10 „	.823	.950	80.4	77.0	3.4	75.7	.86	80.2	81.5	„	0.3					
11 „	.811	.934	80.0	77.0	3.0	75.8	.88	80.0	81.5	„	0.2					
Sept.24th-Midnight	.799	.950	79.0	76.0	3.0	74.8	.88	79.2	81.5	NNW	0.0					
1 a. m.	.787	.937	78.9	76.0	2.9	74.8	.88	79.2	81.5	„	0.0					
2 „	.777	.924	78.6	76.0	2.6	75.0	.89	79.1	81.5	„	0.1					
3 „	.774	.928	78.5	75.8	2.7	74.7	.89	79.0	81.5	„	0.1					
4 „	.780	.930	78.2	75.8	2.4	74.8	.90	78.8	81.5	„	0.0					
5 „	.793	.933	78.0	76.0	2.0	75.2	.91	78.6	81.5	„	0.0					
6 „	.811	.947	77.6	76.0	1.6	75.4	.93	78.3	81.5	„	0.0					
7 „	.828	.910	80.3	78.1	2.2	77.3	.91	80.0	81.5	„	0.0	None.	None.	None.	None.	None.
8 „	.849	.914	82.2	79.0	3.2	77.8	.87	81.1	81.5	„	0.1					
9 „	.856	.964	82.3	78.0	4.3	76.4	.83	81.2	81.4	„	0.1					
10 „	.862	.975	82.7	78.0	4.7	76.2	.82	81.7	81.5	„	0.2					
11 „	.850	.965	84.4	78.4	6.0	76.1	.77	82.5	81.5	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇i cirri; ⌇⌇i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒⌣i cumulo-strati; and ⌇⌣i nimbi.	
3	R	⌇⌣i scattered about hor., moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 81°9 and 83°0.
2	B	⌇⌣i scattered about hor., moving E.	
1	B	⌇⌣i scattered around hor.	
6	B	⌇⌣i scattered about, moving E.	
4	B	" "	
4	C	⌇⌣i scattered about hor.	
5	C	⌇⌣i scattered about, moving E.	
5	C	" "	
7	C	" "	
7	R	⌇⌣i scattered throughout, moving ESE.	
7	R	⌇⌣i scattered throughout, moving SE.	
6	R	⌇⌣i and ⌇i scattered throughout, the former moving SE.	
6	R	⌇⌣i around hor.; ⌇i scattered throughout.	
2	B	⌒i along E hor.; ⌇⌣i scattered throughout.	
1	B	" " "	
3	B	⌒i along E hor.; ⌇⌣i and ⌇i scattered throughout.	
4	B	" " "	
5	B	" " "	
7	B	⌒i along E hor.; ⌇⌣i around hor.; ⌇i scattered throughout.	
3	B	⌇⌣i around hor.; ⌇i scattered about.	
3	B	⌇⌣i and ⌇i scattered about.	
3	B	⌇⌣i around hor.; ⌇i scattered about.	
3	B	⌇⌣i and ⌇i scattered about, the former moving E.	
5	B	Clouded as before; a partial lunar-halo.	
7	R	A few patches of ⌇⌣i in NE; ⌇⌣i scattered about, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 81°7 and 82°9.
3	B	⌇⌣i around hor.; ⌇i scattered about.	
4	B	⌇⌣i and ⌇i scattered about, the former moving ESE; dew falling.	
4	B	Clouded with ⌇⌣i and ⌇i, the former moving SSE; a lunar-halo; dew falling.	
4	B	⌇⌣i in hor.; ⌇i scattered about; a lunar-halo; dew falling.	
4	C	⌇⌣i around hor.; ⌇i scattered about; dew falling.	
5	C	" " "	
4	C	⌇i scattered about.	
3	C	⌇i scattered around hor.	
3	R	⌇⌣i and ⌇i scattered about hor., the former moving SE.	
4	R	⌇⌣i scattered about, moving S.	
6	R	" "	
5	R	" "	
5	B	⌇⌣i and ⌇⌣i scattered about, the former moving S.	
4	B	" " "	
4	B	⌒i along E hor.; ⌇⌣i scattered about, moving S.	
3	B	⌒i along E hor.; ⌇⌣i around the remainder of hor.	
4	C	⌒i along E hor.; ⌇⌣i scattered about, moving SE.	
6	C	A few ⌇i above E hor.; ⌇⌣i scattered about, moving SE.	
3	C	⌇⌣i scattered about hor.	
4	C	⌇⌣i scattered about, moving ESE.	
3	R	⌇⌣i around hor.; ⌇i and ⌇⌣i scattered about.	
3	R	⌇⌣i above N hor.; ⌇⌣i scattered about, moving SE.	
3	R	" " "	
4	R	⌇⌣i scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 81°7 and 82°9.
3	B	⌇⌣i scattered about hor.; dew falling.	
3	B	⌇⌣i around hor.; ⌇⌣i scattered about, moving NNE; dew falling.	
5	B	" " "	
7	B	⌇⌣i around hor.; ⌇⌣i scattered about, moving N; dew falling.	
7	C	" " "	
4	C	⌇⌣i and ⌇⌣i scattered about hor.; dew falling.	
6	C	⌇⌣i around hor.; ⌇⌣i scattered about, moving NNW.	
6	C	⌇⌣i and ⌇⌣i scattered about, the former moving N.	
8	R	⌇⌣i scattered throughout, moving NE; a few drops of rain at 9h. 2m.	
7	R	⌇⌣i scattered throughout, moving E.	
5	R	⌒i along E hor.; ⌇⌣i scattered about, moving E.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in reckoning from a degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 24th–Noon.	29.833	28.971	85°0	78°0	7°0	75°3	0.74	82°9	81°5	NNW	0.1					
1 p. m.	.819	.955	84.8	78.0	6.8	75.4	.75	82.9	81.6	NW b N	0.1					
2 „	.782	.950	84.1	77.0	7.1	74.2	.73	82.6	81.7	„	0.4					
3 „	.769	.910	83.5	77.5	6.0	75.2	.77	82.5	81.7	„	0.2					
4 „	.768	.930	83.5	77.0	6.5	74.4	.75	82.2	81.8	„	0.2					
5 „	.775	.944	82.4	76.5	5.9	74.1	.77	81.9	81.8	NW	0.2	None.	None.	None.	None.	None.
6 „	.797	.948	81.8	76.8	5.0	74.8	.80	81.3	81.8	„	0.2					
7 „	.819	.986	81.5	76.3	5.2	74.2	.79	81.1	81.8	„	0.1					
8 „	.837	29.012	81.2	76.0	5.2	73.9	.79	81.0	81.8	„	0.1					
9 „	.849	.020	80.8	76.0	4.8	74.1	.81	80.5	81.7	„	0.1					
10 „	.841	.007	80.4	76.0	4.4	74.3	.82	80.0	81.7	„	0.4					
11 „	.826	28.951	80.2	77.0	3.2	74.8	.87	80.0	81.7	„	0.1					
Sept. 25th–Midnight	.815	.958	80.0	76.5	3.5	75.1	.86	79.8	81.6	NW	0.5					
1 a. m.	.813	.973	79.8	76.0	3.8	74.5	.84	80.1	81.6	NW b N	0.0					
2 „	.802	.965	80.1	76.0	4.1	74.4	.88	80.1	81.6	„	0.0					
3 „	.791	.953	80.0	76.0	4.0	74.4	.84	80.1	81.6	„	0.1					
4 „	.791	.949	79.6	76.0	3.6	74.6	.85	80.0	81.6	„	0.0					
5 „	.801	.922	79.8	77.0	2.8	75.9	.88	80.0	81.6	„	0.2					
6 „	.829	.936	79.3	77.2	2.1	76.4	.91	79.9	81.6	„	0.2					
7 „	.839	.943	79.8	77.4	2.4	76.5	.90	80.0	81.6	„	0.3					
8 „	.857	.961	80.4	77.6	2.8	76.5	.88	80.4	81.6	„	0.2					
9 „	.866	.940	83.0	79.0	4.0	77.5	.84	82.0	81.6	„	0.4					
10 „	.867	.956	84.4	79.0	5.4	77.0	.79	82.6	81.7	„	0.2					
11 „	.851	.947	85.0	79.0	6.0	76.8	.77	83.0	81.7	„	0.2					
Noon.	.830	.937	86.0	79.0	7.0	76.4	.74	83.6	81.9	NNW	0.3	None.	None.	None.	None.	None.
1 p. m.	.803	.937	86.6	78.5	8.1	75.4	.70	84.0	81.9	NW	0.3					
2 „	.775	.892	86.9	79.0	7.9	76.0	.71	84.3	81.9	NW b N	0.4					
3 „	.749	.864	86.7	79.0	7.7	76.1	.72	84.1	82.0	NW	0.5					
4 „	.745	.878	86.0	78.4	7.6	75.5	.72	84.0	82.0	NW b N	0.6					
5 „	.748	.877	84.2	78.0	6.2	75.6	.76	83.1	82.1	„	0.6					
6 „	.762	.911	82.4	77.0	5.4	74.9	.79	82.5	82.1	„	0.5					
7 „	.790	.952	81.8	76.5	5.3	74.4	.79	81.7	82.1	„	0.4					
8 „	.814	.954	81.5	77.0	4.5	75.2	.82	81.5	82.1	„	0.5					
9 „	.829	.967	81.4	77.0	4.4	75.3	.82	81.0	82.1	„	0.7					
10 „	.829	.963	81.0	77.0	4.0	75.4	.84	81.0	82.0	„	0.5					
11 „	.819	.953	81.0	77.0	4.0	75.4	.84	81.0	82.0	„	0.3					
Sept. 26th–Midnight	.811	.945	81.0	77.0	4.0	75.4	.84	81.0	82.0	NNW	0.3					
1 a. m.	.789	.922	80.9	77.0	3.9	75.5	.84	81.0	82.0	„	0.5					
2 „	.779	.928	80.6	76.5	4.1	74.9	.84	80.8	82.0	„	0.4					
3 „	.779	.924	80.6	76.6	4.0	75.0	.84	80.6	82.0	„	0.3					
4 „	.781	.911	80.6	77.0	3.6	75.6	.85	80.6	82.0	„	0.5					
5 „	.800	.923	80.0	77.0	3.0	75.8	.88	80.3	82.0	„	0.4					
6 „	.821	.959	77.8	76.0	1.8	75.3	.92	78.2	81.9	ESE	0.8					
7 „	.837	.968	77.2	76.0	1.2	75.5	.95	78 0	81.9	E b S	0.2	0.04				
8 „	.868	29.017	78.1	75.8	2.3	74.9	.90	78.9	82.0	ESE	0.1					
9 „	.875	28.998	80.0	77.0	3.0	75.8	.88	80 0	82.0	„	0.1					
10 „	.864	29.011	82.2	77.0	5.2	75.0	.80	81.0	82.0	„	0.5					
11 „	.850	28.938	84.3	79.0	5.3	77.0	.80	82.4	82.0	E b S	0.2					
Noon.	.818	.907	84.4	79.0	5.4	77.0	.79	82.6	82.0	N b W	0.7					
1 p. m.	.794	.855	85.6	80.0	5.6	78.0	.79	83.7	82.1	NW b N	0.5	None.	None.	None.	None.	None.
2 „	.766	.835	86.4	80.0	6.4	77.7	.76	84.0	82.1	„	0.6					
3 „	.751	.854	86.4	79.2	7.2	76.5	.73	84.0	82.2	„	0.5					
4 „	.751	.856	85.8	79.0	6.8	76.5	.75	83.9	82.3	„	0.7					
5 „	.769	.894	84.6	78.2	6.4	75.8	.76	83.5	82.3	„	0.5					
6 „	.800	.936	83.0	77.5	5.5	75.4	.79	82.4	82.4	NNW	0.5					
7 „	.804	.939	81.8	77.2	4.6	75.4	.82	81.6	82.4	NW b N	0.2					
8 „	.829	.960	81.5	77.2	4.3	75.5	.83	81.6	82.4	„	0.2					
9 „	.840	.943	81.8	78.0	3.8	76.5	.85	81.5	82.3	„	0.2					
10 „	.839	.940	81.6	78.0	3.6	76.6	.86	81.5	82.3	„	0.1					
11 „	.829	.927	81 4	78.0	3.4	76·7	.86	81.5	82.4	„	0.5					

Amount of Clouds. 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; *cumulo*-strati; and nimbi.	
5	R	along E hor.; scattered about, moving E.	
7	B	along E hor.; scattered about, moving NNE.	
7	B	Clouded as before; drizzling rain from 2h. 19m. to 2h. 31m.	
7	B	along E hor.; scattered about, moving ENE.	
6	B	along E hor.; and scattered about, the former moving ESE.	
7	C	along E hor.; around hor.; scattered about.	
8	C	and around hor.; scattered about; a partial rainbow in NE	
8	C	Overcast with and ; a few stars dimly visible.	
7	C	and scattered about, the former moving ESE.	
4	R	and scattered about, the former moving SE.	
7	R	" " "	
7	R	and scattered about, the former moving E.	
7	R	scattered throughout, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 81°9 and 83°0. At 2 P. M. the temperature of air was 86°9, highest during the month. September 25th was the 25th day on which lightning was observed after sunset.
8	B	Overcast with , moving ESE; a break in SE.	
8	B	Overcast with , moving ESE.	
4	B	scattered about, moving ESE.	
5	B	" "	
7	C	scattered throughout; slight rain between 5h. 8m. and 5h. 14m.	
7	C	scattered throughout; no rain.	
6	C	scattered about, moving E.	
6	C	" "	
4	R	A few above E hor.; scattered about hor., moving E.	
5	R	scattered about, moving ENE.	
4	R	scattered about, moving E.	
4	R	in E hor.; scattered about, moving E.	
2	B	along E hor.; around hor.	
3	B	along E hor.; scattered about, moving ESE.	
4	B	" " "	
4	B	" " "	
5	C	" " "	
6	C	along E hor.; scattered about, moving ESE; lightning in E after 6h. 57m.	
5	C	scattered about; lightning in E in every 10 seconds interval.	
8	C	Overcast; lightning in E in every 15 seconds interval.	
7	R	Densely clouded with ; lightning in E every minute interval.	
7	R	Clouded as before; lightning in E in every 10 seconds interval.	
6	R	and scattered about, the former moving E; a partial lunar-halo.	
8	R	Overcast with , moving N.	Mean daily temperature of ground 20 and 60 inches below its surface 82°1 and 83°0. Daily fall of rain by Osler's Gauge 0·04 in. This was the 26th day on which lightning was observed after sunset.
8	B	Overcast with and , the former moving ESE; a lunar-halo.	
8	B	Overcast with , moving ESE.	
8	B	" "	
8	B	Overcast with , moving SSE.	
8	C	Overcast; puffs of wind from E after 5h. 47m. [6h. 29m.	
8	C	Overcast with , moving S; slight rain from 0h. 2m. to 0h. 15m.; puffs of wind from E; light rain from 6h. 15m. to	
8	C	Overcast with , moving W.	
8	C	" "	
7	R	scattered about, moving W.	
4	R	" "	
4	R	around hor.; scattered about.	
4	R	and scattered about, the former moving SE.	
4	B	" " "	
3	B	along E hor.; and around the remainder of hor.	
3	B	along E hor.; and scattered about hor., moving SE.	
4	B	" " " "	
7	C	and scattered throughout; and around hor.; a partial rainbow in NE at 5h. 47m.	
8	C	Clouded as before; slight drops of rain after 6h. 18m.	
8	C	Overcast; rain ceased at 7h. 10m; lightning in SE after 7h. 4m.	
8	C	Overcast with , moving SE; lightning in SE, at intervals of 3h. 14m.	
8	R	Overcast with , moving SE; lightning in E and NE hor., at intervals of about 5m.	
8	R	Overcast; lightning in NE hor.	
8	R	Overcast with , moving ESE; lightning in NNE hor.	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 27th-Midnight	29.823	28.902	81°6	78°5	3°1	77°4	0.87	81°2	82°3	NW b N	0·1					
1 a. m.	.812	.904	80.3	78·0	2.8	76.9	.89	81.0	82.5	,,	0.1	0.05				
2 ,,	.791	.875	80.1	78·0	2.1	77.2	.91	80.5	82.4	,,	0.2					
3 ,,	.791	.921	79.2	76.6	2.6	75.6	.89	80.1	82.4	,,	0.4					
4 ,,	.806	.900	79.2	77.5	1.7	76.8	.93	80.0	82.3	,,	0 3	0.03				
5 ,,	.821	.929	78.6	77.0	1.6	76.4	.93	79.4	82.3	NNW	0.0					
6 ,,	.837	.969	78.0	76.2	1.8	75.5	.92	79.1	82.2	,,	0.2					
7 ,,	.845	.947	78.1	77.0	1.1	76.6	.95	79.1	82.2	,,	0.2					
8 ,,	.855	.933	79.5	78.0	1.5	77.4	.93	79.8	82.2	,,	0.4					
9 ,,	.859	.923	82.1	79.0	3.1	77.9	.87	81.5	82.2	,,	0.4					
10 ,,	.853	.929	83.2	79.0	4.2	77.5	.83	82.1	82.2	,,	0.4					
11 ,,	.838	.879	83.8	80.0	3.8	78.6	.85	82.7	82.2	,,	0·2					
Noon.	.801	.862	85.6	80.0	5.6	78.0	.79	83.7	82.3	,,	0.6					
1 p. m.	.779	.824	86.1	80.5	5.6	78.5	.79	84.0	82.4	NW b N	0.3					
2 ,,	.767	.813	86.6	80·6	6.0	78.5	.78	84.4	82.4	,,	0·5					
3 ,,	.739	.787	86.4	80.5	5.9	78.4	.78	84.4	82.5	NW	0·8					
4 ,,	.736	.819	85.2	79.5	5.7	77.2	.78	83.9	82.6	,,	1.0					
5 ,,	.763	.863	83.4	78·8	4.6	76.6	.82	83.0	82.6	,,	0.8		+	16	16	0.17
6 ,,	.760	.867	82.2	78.0	4·2	76.4	.83	82.1	82.6	,,	0.7		−	Out of Sc.	Out of Sc.	Instantly.
7 ,,	.812	.920	81.9	77.9	4.0	76.4	.84	81.8	82.6	,,	0.5		−	Out of Sc.	Out of Sc.	Instantly.
8 ,,	.828	.920	81.6	78.2	3.4	76.9	.86	81.6	82.6	NW b N	0·7	0.01				
9 ,,	.833	29.001	77.0	75.0	2.0	74·2	.91	78.0	82.5	NNE	0.2		−	Out of Sc.	50	Instantly.
10 ,,	.829	28.999	77.2	75.0	2.2	74.1	.91	78.0	82.5	,,	0.1					
11 ,,	.824	.988	76.6	75.0	1.6	74.3	.93	77.5	82.5	,,	0.5					
Sept. 28th-Midnight	.809	.969	76.3	75.0	1.3	74.5	.94	77.2	82.4	NNE	0.2					
1 a. m.	.787	.922	76.5	76.0	1.5	75.4	.94	78.0	82.3	,,	0.3					
2 ,,	.778	.933	76.6	75.2	1.4	74.7	.94	77.5	82.2	,,	0·4					
3 ,,	.763	.918	76.6	75.2	1.4	74.7	.94	77.4	82.2	,,	0.1					
4 ,,	.748	.922	76.5	75.0	1·5	74.0	.94	77.3	82.1	,,	0.3					
5 ,,	.772	.927	76.6	75.2	1.4	74.7	.94	77.3	82.1	,,	0.1					
6 ,,	.797	.959	77.2	75.2	2.0	74.4	.91	77.6	82.0	,,	0.0					
7 ,,	.804	.965	77.8	75.4	2.4	74.4	.90	78.2	82.0	,,	0.0					
8 ,,	.823	.983	79.0	76.5	2.5	74.5	.90	79.1	81.9	,,	0.0					
9 ,,	.825	.928	81·8	78.0	3.8	76.5	.85	81.0	82.0	,,	0.5					
10 ,,	.815	.903	84.3	79.0	5.3	77.0	.80	82.5	82.0	,,	0.5					
11 ,,	.790	.865	85.0	79.5	5.5	77.5	.79	83.0	82.0	NNW	0.5					
Noon.	.764	.802	85.5	80.5	5.0	78.7	.81	83·4	82.0	,,	0.7					
1 p. m.	.744	.805	85.6	80.0	5.6	78.0	.79	83.9	82.1	,,	0.8					
2 ,,	.725	.783	85.4	80.0	5.4	78.1	.79	83.7	82.1	NW b N	0.8					
3 ,,	.706	.778	85.9	79.8	6.1	77.6	.77	83.9	82.2	,,	0.8					
4 ,,	.704	.764	85.5	80·0	5.5	78.0	.79	83.9	82.3	,,	0.8					
5 ,,	.720	.795	85.0	79.5	5·5	77.5	.79	83.0	82.2	,,	0.7		+	2		
6 ,,	.742	.812	82·6	79.0	3.6	77.7	.86	82.0	82.2	NNW	0.8		−	Out of Sc.	50	Instantly.
7 ,,	.774	.837	82.0	79.0	3 0	77.9	.88	81.9	82.4	,,	0.1		−	Out of Sc.	50	Instantly.
8 ,,	.804	.889	80.2	78 0	2.2	77.2	.91	80.5	82.3	,,	0.4		+	10	10	1.0
9 ,,	.795	.896	78.0	77.0	1.0	76.6	.96	79.0	82.3	N b W	0.2	0.35	−	20	20	Above 10m.
10 ,,	.795	.896	78.0	77.0	1.0	76.6	.96	78.9	82.2	,,	0.1	0.02				
11 ,,	.785	.886	78.0	77.0	1.0	76.6	.96	79.0	82.2	N	0.1					
Sept. 30th-Midnight	.743	.846	76.8	76.6	0.2	76.5	.99	77.5	82.0	NNE	0.7	0.27				
1 a. m.	.732	.863	77.2	76.0	1.2	75.5	.95	77.9	82.0	,,	0.2	0.12				
2 ,,	.711	.838	77.6	76.2	1.4	75.7	.94	78.2	81.9	N	0.5					
3 ,,	.705	.842	77.0	75.8	1.2	75·3	.95	78.0	81.9	NNW	0.3					
4 ,,	.705	.838	77.4	76.0	1.4	75.5	.94	78.0	81.8	,,	0.3	0.04				
5 ,,	.706	.832	76.7	76.0	0.7	75.7	.97	77.8	81.7	,,	0.0					
6 ,,	.728	.875	76.5	75.4	1.1	75·0	.95	77.7	81.7	,,	0.0		None.	None.	None.	None.
7 ,,	.759	.877	77.4	76.4	1·0	76.0	.96	78.2	81.7	,,	0.0					
8 ,,	.777	.890	78.7	76.9	1·8	76.2	.92	79.0	81.7	,,	0.0					
9 ,,	.787	.903	79.4	77·0	2.4	76.1	.90	79.4	81.7	,,	0·0					
10 ,,	.777	.864	80.4	78.0	2.4	77.1	.90	80.0	81.7	,,	0.4					
11 ,,	.756	.846	80.6	78.0	2.6	77.0	.89	80.0	81.7	,,	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿≀ cirro-cumuli; ⌒≀ cumuli; ⌒ cirro-strati; ⌒≀ cumulo-strati; and ∿≀ nimbi.	
8	R	Overcast with ∿≀, moving S; lightning in N in every three minutes; slight rain between 0h. 7m. and 0h. 58m.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 83°1. Daily fall of rain by Osler's Gauge 0·09 in; maximum tension of electricity by Henly's Apparatus 14; maximum length of the spark by Ronald's measure 0·17 in. This was the 27th day on which lightning was observed after sunset.
8	B	Overcast with ∿≀, moving SSW; drops of rain between 0h. 58m. and 1h. 3m.	
8	B	Overcast; thunder and lightning in NW after 2h. 5m; a few drops of rain at 2h. 20m.	
7	B	∿≀ scattered throughout, moving WSW; lightning in NW every minute; light rain between 3h. 40m. and 3h. 50m.	
8	B	Overcast with ∿≀, moving S; lightning in NW in every 2m.	
8	C	Overcast with ∿≀, moving SSE; a few stars dimly visible in NE.	
6	C	∿≀ around hor.; ∿ and ∿≀ scattered about, the latter moving S; a rainbow observed in SW at 6h. 18m.	
6	C	∿≀ and ∿≀ scattered about, the former moving S.	
8	C	∿≀ scattered throughout, moving S.	
4	R	∿≀ around hor.; ∿ and ∿≀ scattered about.	
3	R	∿≀ and ∿≀ scattered about, the former moving S.	
6	R	∿≀ scattered throughout, moving SSW.	
3	R	∿≀ scattered about hor., moving S.	
2	B	⌒≀ in NE; ∿≀ around hor.	
2	B	⌒≀ along E hor.; ∿≀ scattered about hor., moving SE.	
3	B	" " "	
6	B	⌒≀ along E hor.; ∿≀ scattered throughout, moving SE.	
8	C	⌒≀ in E hor.; ∿≀ around hor.; ∿ scattered throughout; a rainbow observed in E at 5h. 47m.; thunder in SSE.	
8	C	Clouded as before, except a break in W; continuous lightning along E hor. after 6h. 19m; thunder in E.	
8	C	Overcast; lightning in NE; thunder in E; rain commenced at 7h. 16m.	
8	C	Overcast; lightning in NE and E hor.; rain ceased at 8h. 25m.	
8	R	Overcast; lightning in E at intervals of 20s; slight rain between 9h. 4m. and 9h. 18m.	
8	R	Overcast; lightning in SSE hor., at intervals of 1½m; slight drops of rain between 10h. 45m. and 10h. 53m.	
8	R	∿≀ scattered throughout, moving ESE; slight rain after 11h. 30m.	
8	R	Overcast with ∿≀, moving SE; slight rain ceased at 0h. 24m.	Mean daily temperature of ground 20 and 60 inches below its surface 82°1 and 83°0. Daily fall of rain by Osler's Gauge 0·35 in; maximum tension of electricity by Henly's Apparatus 3; maximum length of the spark by Ronald's measure 0·05 in. This was the 28th day on which lightning was observed after sunset.
8	B	Overcast with ∿≀, moving S; lightning in ESE, at intervals of 5m.	
8	B	Overcast; a few stars dimly visible.	
8	B	" "	
6	B	∿≀ scattered throughout, moving S.	
7	C	∿≀ scattered throughout; a single flash of lightning in S at 5h. 22m.; dew falling.	
8	C	Overcast with ∿≀ and ∿, the former moving S.	
8	C	Overcast; haze and mist in hor.	
8	C	Overcast; mist along W hor.	
7	R	Overcast with ∿≀ and ∿, the former moving S.	
5	R	∿≀ and ∿≀ scattered about, the former moving SSE.	
4	R	∿≀ and ∿≀ around hor., the former moving SE; ∿ scattered about.	
3	R	∿ scattered about; ∿≀ around hor., moving SE.	
7	B	⌒≀ along E hor.; ∿≀ scattered about, moving SSE.	
6	B	⌒≀ along E hor.; ∿≀ scattered about, moving S.	
4	B	" "	
5	B	⌒≀ along E hor.; ∿≀ around hor.; ∿ scattered throughout.	
8	R	⌒≀ along E hor.; ∿ and ∿≀ scattered about, the latter moving SE.	
7	R	∿≀ and ∿ scattered throughout, the former moving ESE; lightning in N hor., at intervals of 20s.; thunder after 6h. 30m.	
8	R	Overcast; lightning and thunder in E and NE occasionally noticed; rain commenced at 7h. 45m.	
8	R	Overcast; raining.	
8	R	Overcast; rain ceased at 9h. 45m.	
8	R	Overcast; a few drops of rain at 10h. 14m.	
8	R	Overcast; no rain.	
8	R	Overcast; lightning in SSE; rain ceased at 0h. 58m.	Mean daily temperature of ground 20 and 60 inches below its surface 82°1 and 82°9. Daily fall of rain by Osler's Gauge 0·37 in. This was the 29th day on which lightning was observed after sunset.
8	B	Overcast with ∿≀, moving S; slight rain between 1h. 25m. and 1h. 37m.	
8	B	Overcast with ∿≀, moving SSE.	
8	B	Overcast; slight rain between 3h. 16m. and 3h. 52m.	
8	B	Overcast with ∿≀, moving S.	
8	C	Overcast; dew falling.	
7	C	∿≀ and ∿ scattered about, the former moving S; dew falling.	
7	C	Clouded as at 6 A. M.	
7	C	" "	
8	R	" "	
8	R	" "	
7	R	" "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 30th-Noon.	29.728	28.812	82°0	78°5	3°5	77°2	0.86	81°0	81°7	NNW	0.5					
1 p. m.	.722	.829	82.2	78.0	4.2	76.4	.83	81.1	81.6	„	0.5					
2 „	.688	.795	82.3	78.0	4.3	76.4	.83	81.1	81.7	„	0.3					
3 „	.684	.812	82.6	77.6	5.0	75.6	.80	81.2	81.8	„	0.4					
4 „	.681	.817	81.2	77.0	4.2	75.4	.83	80.5	81.8	„	0.7	None.	None.	None.	None.	None.
5 „	.697	.824	80.4	77.0	3.4	75.7	.85	80.0	81.9	NW b N	0.5					
6 „	.714	.856	79.6	76.4	3.2	75.1	.87	79.7	81.8	„	0.5					
7 „	.744	.860	79.4	77.0	2.4	76.1	.90	79.6	81.8	„	0.3					
8 „	.765	.881	79.4	77.0	2.4	76.1	.90	79.6	81.8	„	0.6					
9 „	.783	.883	79.4	77.4	2.0	76.6	.92	79.5	81.7	„	0.5					
10 „	.788	.888	79.4	77.4	2.0	76.6	.92	79.4	81.8	„	0.5					
11 „	.778	.894	79.4	77.0	2.4	76.1	.90	79.3	81.7	„	0.2					
Oct. 1st-Midnight	.762	.876	79.2	77.0	2.2	76.1	.91	79.3	81.8	NW	0.4					
1 a. m.	.739	.849	79.6	77.2	2.4	76.3	.90	79.6	81.7	„	0.2					
2 „	.735	.841	79.2	77.2	2.0	76.4	.92	79.3	81.7	„	0.2					
3 „	.732	.838	79.2	77.2	2.0	76.4	.92	79.3	81.7	„	0.3					
4 „	.734	.840	79.2	77.2	2.0	76.4	.92	79.3	81.7	„	0.2					
5 „	.744	.856	79.0	77.0	2.0	76.2	.92	79.2	81.7	„	0.2					
6 „	.759	.886	79.0	76.6	2.4	75.7	.90	79.2	81.6	„	0.2					
7 „	.777	.974	76.8	74.2	2.6	73.1	.89	77.5	81.6	NW b N	0.4					
8 „	.798	.869	77.3	75.0	2.3	74.1	.90	78.0	81.6	„	0.3	0.04				
9 „	.806	.889	80.0	78.0	2.0	77.2	.92	79.6	81.6	„	0.4					
10 „	.810	.965	79.4	76.0	3.4	74.7	.86	79.5	81.6	„	0.5					
11 „	.795	.891	81.2	78.0	3.2	76.8	.87	80.5	81.5	„	0.6					
Noon.	.773	.911	81.4	77.0	4.4	75.3	.82	80.8	81.6	„	0.5					
1 p. m.	.744	.882	81.4	77.0	4.4	75.3	.82	81.0	81.6	W b N	0.3		None.	None.	None.	None.
2 „	.724	.800	83.2	79.0	4.2	77.5	.83	81.9	81.7	WNW	0.4					
3 „	.712	.828	82.6	77.9	4.7	76.1	.82	81.3	81.7	NW	0.5					
4 „	.712	.820	82.3	78.0	4.3	76.4	.83	81.3	81.7	„	0.4					
5 „	.728	.833	82.0	78.0	4.0	76.5	.84	81.0	81.7	„	0.3					
6 „	.742	.853	80.8	77.5	3.3	76.3	.86	80.6	81.7	„	0.4					
7 „	.762	.868	80.3	77.5	2.8	76.4	.88	80.2	81.7	„	0.4					
8 „	.782	.905	80.0	77.0	3.0	75.8	.88	80.1	81.7	„	0.3					
9 „	.799	.946	79.4	76.2	3.2	75.0	.87	79.7	81.7	„	0.1					
10 „	.798	.919	79.8	77.0	2.8	75.9	.88	80.0	81.7	„	0.2					
11 „	.784	.924	79.4	76.4	3.0	75.2	.88	79.9	81.7	„	0.2					
Oct. 2nd-Midnight	.779	.891	79.0	77.0	2.0	76.2	.92	79.6	81.7	NW	0.0					
1 a. m.	.761	.890	78.8	76.5	2.3	75.6	.90	79.0	81.7	„	0.0	0.21				
2 „	.754	.857	78.2	77.0	1.2	76.5	.95	79.0	81.6	„	0.0	0.11				
3 „	.752	.853	78.0	77.0	1.0	76.6	.96	78.5	81.6	„	0.4					
4 „	.756	.855	78.8	77.0	1.8	76.7	.97	78.5	81.7	„	0.0					
5 „	.774	.890	78.0	76.6	1.4	76.1	.94	78.5	81.6	„	0.0					
6 „	.794	.858	76.6	75.0	1.6	74.3	.93	77.8	81.6	NW b W	0.0					
7 „	.815	.916	78.0	77.0	1.0	76.6	.96	78.3	81.6	NW	0.0					
8 „	.838	.948	79.9	77.3	2.6	76.3	.89	79.6	81.6	„	0.1					
9 „	.844	.933	80.5	78.0	2.5	77.0	.90	80.0	81.6	„	0.0					
10 „	.841	.928	82.3	78.5	3.8	77.1	.85	81.0	81.6	„	0.1		None.	None.	None.	None.
11 „	.827	.905	83.4	79.0	4.4	77.4	.83	81.9	81.7	„	0.1					
Noon.	.801	.912	84.0	78.4	5.6	76.3	.78	82.1	81.7	„	0.3					
1 p. m.	.778	.870	84.6	79.0	5.6	76.9	.79	82.6	81.8	„	0.7					
2 „	.759	.897	85.0	78.0	7.0	75.3	.74	83.0	82.0	„	0.8					
3 „	.746	.842	85.0	79.0	6.0	76.8	.77	83.0	82.0	„	0.8					
4 „	.744	.878	84.6	78.0	6.6	75.4	.75	83.0	82.0	„	0.8					
5 „	.768	.885	82.3	77.8	4.5	76.0	.82	81.5	82.0	„	0.3					
6 „	.790	.917	80.4	77.0	3.4	75.7	.86	80.2	82.0	„	0.3					
7 „	.813	.925	80.1	77.3	2.8	76.2	.88	80.1	82.0	„	0.5					
8 „	.839	.951	79.7	77.2	2.5	76.2	.90	80.0	82.0	„	0.4					
9 „	.845	.955	79.6	77.2	2.4	76.3	.90	79.9	82.0	„	0.1					
10 „	.847	.998	79.0	76.0	3.0	74.8	.88	79.5	82.0	„	0.1					
11 „	.838	.987	78.8	76.0	2.8	74.9	.88	79.5	82.0	„	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are : cirri ; cirro-cumuli ; cumuli ; cirro-strati ; cumulo-strati ; and nimbi.	Remarks.
6	R	and scattered about, the former moving SE.	
7	B	scattered throughout, moving SE.	
6	B	" "	
6	B	along E hor. ; scattered about, moving SE.	
7	B	along E hor. ; and scattered throughout.	
7	C	" " "	
7	C	" " "	
8	C	Overcast ; a break in SW.	
8	C	Overcast with , moving SSE ; a few stars dimly visible.	
8	R	" " "	
8	R	Overcast with , moving S.	
5	R	and scattered about, the former moving S.	
7	R	scattered about, moving S.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 82°8. Daily fall of rain by Osler's Gauge 0·03 in ; at 3 and 4 P. M., barometer was 29·712, lowest reading during the month.
6	B	" "	
5	B	" "	
6	B	scattered about, moving SSE.	
6	B	" "	
7	C	" "	
8	C	Overcast with , moving SE.	
8	C	Overcast ; slight rain between 7h. 5m. and 7h. 28m.	
8	C	Overcast ; no rain.	
6	R	scattered throughout, moving SE.	
8	R	Overcast with , moving S.	
8	R	" "	
8	R	" "	
7	B	scattered throughout, moving S.	
7	B	" "	
7	B	along E hor. ; scattered throughout, moving SSE.	
7	B	along E hor. ; and scattered throughout, the former moving SSE.	
6	B	Clouded as before.	
7	B	" "	
7	B	scattered throughout, moving S.	
7	B	" "	
8	C	Overcast with , moving SSE.	
7	C	scattered throughout, moving SSE.	
4	C	scattered about hor., moving SSE.	
4	C	scattered about, moving SSE ; rain commenced at 0h. 45m.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°0. Daily fall of rain by Osler's Gauge 0·32 in.
8	R	Overcast with , moving SE ; rain ceased at 1h. 20m.	
4	R	scattered about, moving S ; dew falling.	
4	R	" " "	
7	R	" " "	
7	B	" " "	
6	B	" " "	
4	B	scattered about, moving S.	
3	B	scattered about hor.	
4	C	around hor., moving SE ; scattered about.	
3	C	along E hor. ; scattered along W hor.	
4	C	and scattered about hor.	
4	C	and scattered about, the former moving SSE.	
7	R	and scattered throughout, the former moving SE.	
5	R	in E hor. ; around hor. ; and scattered about.	
4	R	in E hor. ; and scattered about, the former moving S.	
6	R	in E hor. ; and scattered about, the former moving ESE.	
3	B	along E hor. ; and scattered about.	
7	B	" " "	
4	B	around hor. ; scattered about.	
4	B	" "	
3	C	and scattered about hor.	
5	C	and scattered about, the former moving SE.	
4	C	" " "	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 3rd-Midnight	29.822	28.957	78°9	76°4	2°5	75°4	0.90	79°6	81°9	NW	0.4					
1 a. m.	.808	.922	79.2	77.0	2.2	76.1	.91	79.3	82.0	„	0.7					
2 „	.788	.939	79.0	76.0	3.0	74.8	.88	79.0	82.0	„	0.8					
3 „	.795	.943	78.7	76.0	2.7	74.9	.89	78.6	82.0	„	0.8					
4 „	.801	.949	78.7	76.0	2.7	74.9	.89	78.6	82.0	„	0.6					
5 „	.815	29.000	78.5	75.0	3.5	73.5	.86	78.9	81.8	„	0.7					
6 „	.840	.034	78.0	74.6	3.4	73.2	.86	78.4	81.8	„	0.6					
7 „	.868	.034	77.6	75.2	2.4	74.3	.90	78.1	81.7	NW b N	0.4					
8 „	.893	.037	78.4	76.0	2.4	75.1	.90	78.5	81.7	„	0.5					
9 „	.912	.066	79.3	76.0	3.3	74.7	.86	79.0	81.6	„	0.2					
10 „	.909	.056	81.4	76.8	4.6	75.0	.82	80.6	81.7	„	0.3					
11 „	.904	.056	82.6	77.0	5.6	74.9	.78	81.2	81.7	„	0.4					
Noon.	.878	.041	83.6	77.0	6.6	74.4	.75	81.9	81.7	„	0.4	None.			None.	
1 p. m.	.860	.029	84.2	77.0	7.2	74.1	.73	82.3	81.7	„	0.5					
2 „	.840	.027	84.0	76.5	7.5	73.5	.72	82.1	81.7	„	0.6					
3 „	.828	.034	84.0	76.0	8.0	72.8	.70	82.0	81.8	NW	0.5					
4 „	.835	.033	83.3	76.0	7.3	73.0	.72	81.8	81.9	„	0.5					
5 „	.847	.052	81.8	75.4	6.4	72.8	.75	80.7	81.9	„	0.2					
6 „	.861	.055	80.2	75.2	5.0	73.2	.80	80.1	81.8	„	0.2					
7 „	.881	.058	79.6	75.5	4.1	73.8	.83	79.9	81.8	„	0.3					
8 „	.895	.083	78.8	75.0	3.8	73.4	.84	79.3	81.8	„	0.1					
9 „	.899	.084	78.5	75.0	3.5	73.5	.86	79.1	81.8	„	0.1					
10 „	.897	.084	77.3	74.6	2.7	73.5	.88	78.4	81.7	„	0.0					
11 „	.894	.065	77.3	75.0	2.3	74.1	.90	78.1	81.7	„	0.0		+	1		Above 10m.
Oct. 4th-Midnight	.884	.056	77.4	75.0	2.4	74.0	.90	78.2	81.7	NW	0.0		+	1		Above 10m.
1 a. m.	.866	.038	77.4	75.0	2.4	74.0	.90	78.0	81.5	„	0.0					
2 „	.856	.066	77.4	74.0	3.4	72.6	.86	77.8	81.5	„	0.5					
3 „	.850	.054	76.8	74.0	2.8	72.8	.88	77.6	81.5	„	0.1					
4 „	.850	.041	75.6	74.0	1.6	73.3	.93	76.5	81.5	„	0.0					
5 „	.871	.050	76.3	74.5	1.8	73.8	.92	77.0	81.5	„	0.1					
6 „	.890	.069	76.3	74.5	1.8	73.8	.92	77.0	81.4	„	0.1					
7 „	.919	.074	76.6	75.2	1.4	74.7	.94	77.4	81.4	„	0.2					
8 „	.933	.068	78.3	76.2	2.1	75.4	.91	78.4	81.4	„	0.3					
9 „	.947	.065	79.5	77.0	2.5	76.0	.90	79.4	81.3	NNW	0.1					
10 „	.942	.059	81.3	77.5	3.8	76.0	.85	80.6	81.3	„	0.1					
11 „	.929	.078	82.4	77.0	5.4	74.9	.79	81.0	81.4	„	0.1					
Noon.	.896	.086	82.5	76.0	6.5	73.3	.75	81.2	81.4	„	0.1					
1 p. m.	.864	.066	83.6	76.0	7.6	72.9	.71	81.5	81.5	„	0.4	None.				
2 „	.842	.050	84.2	76.0	8.2	72.7	.69	81.7	81.5	„	0.4					
3 „	.825	.025	84.2	76.2	8.0	73.0	.70	82.0	81.5	„	0.5					
4 „	.815	.014	83.4	76.0	7.4	73.0	.72	81.6	81.5	NW b N	0.6					
5 „	.825	.051	82.3	75.0	7.3	71.9	.72	81.0	81.5	„	0.3					
6 „	.827	.053	80.2	74.4	5.8	71.9	.77	79.8	81.5	„	0.3					
7 „	.841	.044	79.5	74.8	4.7	72.9	.81	79.6	81.5	„	0.2					
8 „	.856	.054	79.1	74.8	4.3	73.0	.82	79.0	81.5	„	0.2					
9 „	.869	.055	78.6	75.0	3.6	73.5	.85	79.0	81.5	„	0.1					
10 „	.861	.036	77.6	75.0	2.6	73.9	.89	78.5	81.5	„	0.0					
11 „	.857	.054	76.8	74.2	2.6	73.1	.89	77.8	81.5	„	0.0		+	3	3	0.36
Oct. 5th-Midnight	.850	.035	76.9	74.5	2.4	73.5	.90	77.7	81.5	NW b N	0.0		+	15	15	0.19
1 a. m.	.832	28.963	77.2	76.0	1.2	75.5	.95	77.2	81.5	NNW	0.0					
2 „	.822	.955	77.4	76.0	1.4	75.5	.94	78.0	81.5	„	0.0					
3 „	.814	.980	76.8	75.0	1.8	74.3	.92	77.7	81.5	„	0.4					
4 „	.814	.975	76.4	75.0	1.4	74.4	.94	77.5	81.5	NW b N	0.1					
5 „	.820	.984	76.0	74.8	1.2	74.3	.95	77.2	81.4	„	0.3	None.				
6 „	.840	29.009	75.7	74.6	1.1	74.1	.95	77.0	81.3	NNW	0.3					
7 „	.855	.006	77.2	75.5	1.7	74.8	.93	78.0	81.3	NNE	0.3					
8 „	.884	.031	78.6	76.0	2.6	75.0	.89	78.6	81.3	„	0.3					
9 „	.895	.130	79.6	74.0	5.6	71.6	.78	79.3	81.3	NE b E	0.4					
10 „	.879	.153	79.8	73.0	6.8	69.9	.73	79.4	81.3	N b W	0.1					
11 „	.865	.080	81.3	75.0	6.3	72.4	.75	79.8	81.3	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
7	C	≀ scattered throughout, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 83°0. This was the 30th day on which lightning was observed after sunset.
8	R	" "	
8	R	" "	
5	R	≀ scattered about, moving SE.	
8	R	Overcast with ≀, moving S	
8	B	" "	
8	B	Overcast with ≀, moving SE; a break about zenith; drizzling rain after 6h. 16m.	
8	B	Overcast; rain ceased at 7h. 56m.	
8	B	Overcast; no rain.	
8	C	" "	
7	C	≀ scattered throughout, moving SE.	
5	C	≀ around hor.; ≀ scattered about.	
6	C	" "	
7	R	" "	
7	R	" "	
7	R	" "	
7	R	≀ scattered about, moving ESE.	
7	B	≀ around hor.; ≀ scattered about.	
7	B	Clouded as before; lightning in NE after 6h. 35m.	
5	B	Clouded as before; lightning in NE in every 8m. intervals.	
5	B	≀ around hor.; ≀ scattered about.	
3	C	≀ and ≀ scattered about hor.; dew falling.	
3	C	" "	
5	C	≀ around hor.; ≀ scattered about; dew falling.	
5	C	≀ around hor.; ≀ scattered about hor., moving SE; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°0.
2	R	≀ scattered about hor., moving SE; dew falling.	
2	R	" " "	
2	R	" " "	
0	R	A few ≀ in E hor.; dew falling.	
3	B	≀ around hor.; ≀ scattered about; dew falling.	
7	B	≀ and ≀ scattered about, the former moving SE; dew falling.	
7	B	≀ and ≀ scattered about, the former moving ESE.	
8	B	" " "	
5	C	≀ and ≀ scattered about, the former moving SE.	
5	C	≀ around hor.; ≀ scattered throughout.	
4	C	" "	
3	C	≀ and ≀ scattered about hor.	
3	R	≀ around hor.; ≀ scattered about.	
5	R	≀ and ≀ around hor.; ≀ scattered about.	
5	R	≀ around hor., moving SE; ≀ scattered about.	
5	R	" " "	
6	N	≀ along E hor.; ≀ scattered about.	
4	N	" "	
2	N	≀ above SE and NW hor.; ≀ around hor.	
1	N	Clouded as before.	
1	C	" "	
0	C	A few ≀ in E hor.; dew falling.	
2	C	≀ in W hem., moving ESE; ≀ scattered above E hor.; dew falling.	
2	C	≀ and ≀ scattered about hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°0. This was the 27th day on which the wind blew abnormally.
3	R	" "	
3	R	≀ scattered about hor.; dew falling.	
3	R	" "	
6	R	≀ scattered throughout, moving SE; dew falling.	
3	B	≀ around hor., moving E; ≀ scattered here and there; dew falling.	
3	B	≀ around hor.; ≀ scattered here and there.	
3	B	≀ around hor.; ≀ above SE and E hor.; light haze around hor.	
4	B	≀ around hor.; ≀ and ≀ scattered here and there.	
4	C	≀ scattered about, moving SE; a few ≀ above S hor.	
5	C	≀ scattered about, moving SE.	
7	C	≀ and ≀ scattered about hor.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 5th-Noon.	29.833	29.089	81°9	74°1	7°8	70°7	0.70	80°0	81°3	N b W	0.1					
1 p. m.	.812	.054	83.7	75.0	8.7	71.3	.68	81.0	81.3	NNW	0.2					
2 „	.793	.001	84.2	76.0	8.2	72.7	.69	81.5	81.3	„	0.4					
3 „	.781	28.970	83.2	76.2	7.0	73.4	.73	81.5	81.4	„	0.4					
4 „	.785	.989	83.8	76.0	7.8	72.8	.71	81.5	81.4	„	0.3					
5 „	.793	.981	81.6	75.8	5.8	73.4	.77	81.6	81.4	„	0.1	None.	None.	None.	None.	None.
6 „	.811	29.012	80.0	75.0	5.0	73.0	.80	80.0	81.4	„	0.1					
7 „	.825	.055	79.2	74.0	5.2	71.8	.79	79.2	81.4	„	0.0					
8 „	.835	.029	79.0	74.9	4.1	73.2	.83	79.2	81.4	„	0.0					
9 „	.846	.063	78.0	74.0	4.0	72.3	.84	78.6	81.4	„	0.0					
10 „	.846	.061	77.2	73.8	3.4	72.4	.86	78.0	81.3	„	0.0					
11 „	.834	.065	76.6	73.2	3.4	71.7	.86	77.4	81.3	„	0.0					
Oct. 7th-Midnight	.799	.015	76·6	73.6	3.0	72.3	.87	77.0	80.8	SW b S	0.2					
1 a. m.	.787	28.986	76.4	74.0	2.4	73.0	.90	77.0	80.8	„	0.6					
2 „	.773	.970	76.2	74.0	2.2	73.1	.91	77.0	80.7	„	0.5					
3 „	.771	.966	76.0	74.0	2.0	73.2	.91	77.0	80.7	„	0.7					
4 „	.770	·961	75·6	74.0	1.6	73.3	.93	76.5	80.7	„	1.0					
5 „	.783	29.004	75.0	73.0	2.0	72·1	.91	76.5	80.6	S	0.8					
6 „	·801	.016	74.8	73.1	1.7	72.4	.93	75.8	80.5	„	0.6					
7 „	.828	.026	76.3	74.0	2.3	73.0	.90	76.8	80.5	„	0.6					
8 „	.845	.047	77.7	74.3	3.4	72.9	.86	77.5	80.5	„	0·3					
9 „	.860	.043	79.8	75.4	4.4	73.6	.82	79.0	80.6	„	0.2					
10 „	.859	.033	81.1	76.0	5.1	73.8	.80	79.9	80.6	„	0.3					
11 „	.853	.064	82.5	77.0	5.5	74.8	.79	80.8	80·6	„	0.4	None.			None.	
Noon.	.829	28.971	82·6	77.5	6.1	75·1	.77	81.4	80.7	„	0.4					
1 p. m.	.807	.936	84.2	78.0	6.2	75.6	·76	82.0	80·7	„	0.6					
2 „	.785	.916	84.4	78·0	6.4	75.5	.76	82.0	80.9	SSW	0.8					
3 „	.775	.940	83.8	77.0	6.8	74.3	·74	82.0	81.0	„	1.0					
4 „	.779	.988	83.2	75.7	7.5	72.6	.71	81.6	81.0	„	0.8					
5 „	.794	29.014	81.7	75.0	6.7	72.2	.74	80·5	81.0	SW	0.3					
6 „	.812	.027	79.2	74.4	4.8	72.4	.80	79.4	81.0	„	0.1					
7 „	.827	.050	78.5	74.0	4.5	72.0	.82	79.0	81.0	„	0.2					
8 „	.849	.066	78.0	74.0	4.0	72.3	.83	78.6	81.0	„	0.2					
9 „	.868	.083	77.8	74.0	3.8	72.4	.84	78.5	81.0	„	0.1					
10 „	.868	.010	77·6	73.2	4·4	71.3	.82	78.2	81.0	„	0.0		+	2		1.14
11 „	.860	.052	77.5	74.5	3.0	73.3	.87	78.2	81.0	„	0.1					
Oct. 8th-Midnight	.854	·060	77.0	74.0	3.0	72.8	.87	77.8	81.0	SW	0.4					
1 a. m.	.839	.003	76.6	75.0	1.6	74.3	.93	77.1	81.0	„	0.6					
2 „	.833	.028	76.0	74.0	2.0	73.2	·91	77.0	81.0	„	0.8					
3 „	.833	.026	75.8	74.0	1.8	73.2	.92	76.9	81.0	SSW	1.0					
4 „	.840	.031	75.6	74.0	1.6	73.3	.93	76.6	81.0	S	1.0					
5 „	.859	.065	75.3	73.5	1.8	72.8	.92	76.5	80.8	S b E	0.6					
6 „	.887	.090	75.0	73.5	1.5	72.9	.93	76.1	80.7	„	0.8					
7 „	.911	·106	76.0	74.0	2.0	73.2	.91	76.3	80.7	SSE	0.7					
8 „	·928	.110	78.3	75.0	3.3	73.6	.86	77.9	80.7	SE b S	0.6					
9 „	.934	.099	80.3	76.0	4.3	74.3	.83	79.1	80.7	„	0.3					
10 „	.934	.135	81.4	75.4	6.0	73.0	·76	80.0	80.7	„	0.1					
11 „	·917	·115	82.5	75.8	6.7	73.0	.74	80.7	80.8	„	0.1					
Noon.	.885	.080	84.0	76.3	7.7	73.2	.71	81.3	80.8	„	0.2	None.				
1 p. m.	.858	.032	84.6	77.0	7.6	74.0	.72	82.0	81.0	S	0.3		+	2		3·10
2 „	.840	.057	85.0	76.0	9.0	72.3	.67	82.0	81.0	„	0.4		+	1		2·00
3 „	.826	.011	85.6	77.0	8.6	73.5	.68	82.5	81.0	„	0.5					
4 „	.831	.050	85.2	76.0	9.2	72.2	.66	82.1	81.0	„	0.2					
5 „	.845	.065	83.5	75.5	8.0	72.2	.70	81.5	81.2	W b S	0.2					
6 „	.859	.099	80.1	74.0	6.1	71.4	.76	80.1	81.2	„	0.1					
7 „	.877	.130	79.2	73.4	5.8	70.8	.77	79.2	81.1	„	0.1					
8 „	.895	.121	78.8	74·0	4.8	71.9	.80	79.0	81.1	„	0.1					
9 „	.911	.118	78.0	74.0	4.0	72·3	.83	78.4	81.1	„	0.1					
10 „	.903	.136	77.4	73.4	4.0	71·6	.83	78·1	81.1	„	0.0					
11 „	.893	.108	77.8	74.0	3.8	72.4	.84	78.3	81.1	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌒≀ cirro-strati; ⌒≀ cumulo-strati; and ≀≀ nimbi.	
4	C	≀≀ and ≀≀ scattered about, moving SE.	
3	R	≀≀ and ≀≀ scattered about hor., moving SE.	
3	R	⌒ along E hor.; ≀≀ and ≀≀ scattered around hor., moving SE.	
3	R	" " "	
3	R	" " "	
4	B	⌒ along E hor.; ≀≀ around hor.; ≀≀ scattered about, moving SE.	
6	B	" " "	
4	B	≀≀ and ≀≀ scattered about hor.	
2	B	≀≀ scattered about hor.	
3	C	" "	
1	C	≀≀ scattered above E hor.	
0	C	A few masses of ≀≀ above E hor.; dew falling.	
2	C	≀≀ scattered around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°0. At 6 A.M. temperature of air was 74°8, lowest in the month.
2	R	" "	
2	R	" "	
2	R	" "	
2	R	≀≀ scattered around hor.; light morning breezes.	
4	B	≀≀ and ≀ scattered about hor.	
5	B	≀≀ and ≀ scattered about.	
3	B	" "	
3	B	" "	
2	C	≀≀ scattered around hor.	
3	C	≀≀ and ≀ scattered about hor.	
3	C	" "	
4	C	A few ≀ in N hor.; ≀≀ scattered around hor.	
4	R	≀≀ and ≀ scattered about hor.	
4	R	≀≀ and ≀ scattered about.	
4	R	≀≀ and ≀ scattered about hor.	
4	R	≀≀ and ≀≀ scattered about hor.	
3	B	≀≀ scattered about hor.	
3	B	A few ≀ above S hor.; ≀≀ scattered about hor.	
4	B	≀≀ scattered about.	
3	B	" "	
2	C	≀≀ scattered about hor.	
2	C	" "	
0	C	A few ≀≀ above W hor.	
0	C	A few patches of ≀≀ around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°0.
0	R	" "	
0	R	" "	
1	R	≀≀ and ≀ scattered along E hor.	
3	R	≀≀ and ≀ scattered about.	
3	B	≀≀ scattered about hor.	
3	B	" "	
3	B	" "	
3	B	" "	
3	C	≀≀ scattered about.	
3	C	" "	
3	C	≀≀ scattered about hor.	
2	C	" "	
2	R	" "	
2	R	" "	
2	R	≀≀ scattered about hor.; a few ≀ above S hor.	
2	R	" " "	
2	B	≀≀ scattered about hor.	
3	B	" "	
1	B	" "	
1	B	" "	
1	C	" "	
4	C	≀≀ and ≀≀ scattered about, the former moving SSE; a few drops of rain at 10h. 57m.	
6	C	≀≀ scattered about, moving SSE.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet-Bulb Thermometer.	Thermometers. Depression of Wet-Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 9th-Midnight	29.879	29.058	78°0	75°0	3°0	73°8	0·87	78°8	81°1	SSW	0.0					
1 a. m.	.860	·032	77·4	75.0	2.4	74.0	.90	78.0	81.1	,,	0.0					
2 ,,	.847	.026	76.6	74.6	2.0	73.8	.91	77.6	81.1	,,	0.0					
3 ,,	.838	.019	76.5	74.5	2.0	73.7	.91	77.2	81.0	,,	0.0					
4 ,,	.841	·036	76.0	74.0	2.0	73.2	.91	77.0	81.0	,,	0.0					
5 ,,	.845	·058	75.6	73.4	2.2	72.5	.91	77.0	80.9	,,	0.0					
6 ,,	.874	·082	75.5	73.5	2.0	72.7	.91	76.6	80.9	,,	0·1					
7 ,,	.896	.098	76.6	74.0	2.6	72.9	.89	77.2	80.9	SW b S	0.1					
8 ,,	.915	·101	78.6	75.0	3.6	73.5	.85	78.2	80.9	,,	0.1					
9 ,,	.922	.084	80.0	76.0	4.0	74.4	.84	79.3	80.9	,,	0.1					
10 ,,	.923	.097	81.1	76.0	5.1	74.0	.80	80·0	80.9	,,	0.1	None.	None.	None.	None.	None.
11 ,,	.898	·082	82.0	76.0	6.0	73.6	.77	80.4	80.9	,,	0.1					
Noon.	.870	·058	83.8	76.4	7.4	73.4	.72	81.2	81.0	,,	0.1					
1 p. m.	.843	·031	84.8	76.7	8.1	73.4	.70	81.9	81·0	c SW	0·3					
2 ,,	.822	28.988	85.4	77.4	8.0	74.3	.70	82.5	81.0	,,	0.2					
3 ,,	·810	.997	85.8	77.0	8.8	73.5	.68	82.7	81.0	SW b W	0.5					
4 ,,	·812	29.011	85·1	76.5	8.6	73.0	.69	82.5	81.2	,,	0.4					
5 ,,	.839	.077	83.4	75.0	8.4	71.4	.68	81.3	81.3	,,	0.2					
6 ,,	.854	.062	80.6	75.0	5.6	72.7	.80	80.4	81.3	,,	0.1					
7 ,,	.874	·073	79.8	75.0	4.8	73.0	.81	80.0	81.3	,,	0.0					
8 ,,	.893	.085	79.2	75.0	4.2	73.3	.83	79.5	81.3	,,	0.0					
9 ,,	·893	·079	78.3	74.9	3.4	73.5	.86	79.1	81.3	,,	0.0					
10 ,,	·883	.077	77.7	74.5	3.2	73.2	.87	78.4	81.3	,,	0.0					
11 ,,	.861	.067	77.0	74.0	3.0	72.8	.87	77.8	81.2	,,	0.0					
Oct. 10th-Midnight	.848	.050	76.6	74.0	2.6	72.9	.89	77.4	81.2	SW b W	0.0					
1 a. m.	.830	28.966	77·6	76.0	1.6	75·4	.93	78.0	81.2	,,	0.8					
2 ,,	.815	.983	77.0	75.0	2.0	74.2	.91	77·4	81.0	,,	0.5					
3 ,,	.808	.969	76.4	75.0	1.4	74.4	.94	77.0	81.0	,,	0.4					
4 ,,	.810	.969	76.2	75·0	1.2	74.5	.95	77.0	81.0	WSW	0.5					
5 ,,	.824	29.020	76.1	74.0	2.1	73.1	.91	77.0	81.1	,,	0.2					
6 ,,	.846	.024	76.2	74.5	1.7	73.8	.93	77.0	81·1	,,	0.3					
7 ,,	.870	.036	76.8	75.0	1.8	74.3	.93	77.4	81.0	,,	0.1					
8 ,,	.890	.039	78.8	76.0	2.8	74.9	.88	78.5	81.0	,,	0.1					
9 ,,	.897	.061	80.2	76.0	4.2	74.3	.83	79.7	81.0	,,	0.1					
10 ,,	.901	.046	82.0	77.0	5.0	75.0	.80	80.6	81.0	,,	0.1					
11 ,,	.883	.003	83.4	78.0	5.4	75.9	.79	81.8	81.0	,,	0.2	None.	None.	None.	None.	None.
Noon.	.853	28.987	84.6	78.0	6.6	75.4	.75	82.3	81.1	,,	0.1					
1 p. m.	.828	.966	85.0	78.0	7.0	75.3	.74	82.5	81.2	SW b S	0.2					
2 ,,	.806	.986	85.9	77.2	8.7	73.7	.68	83.0	81.2	,,	0.2					
3 ,,	.803	29.024	85.4	76.0	9.4	72.1	.66	82.8	81.3	SW	0.4					
4 ,,	.815	28.997	85.4	77.0	8.4	73.6	.69	82.9	81.4	SW b W	0.4					
5 ,,	.834	29.096	83.9	74.5	9.4	70.5	.65	81.8	81.5	WSW	0.1					
6 ,,	.846	.092	81.3	74.2	7.1	71.1	.72	80.9	81.5	,,	0.2					
7 ,,	.862	·098	80.6	74.0	6.6	71.1	.74	80.3	81.5	,,	0.2					
8 ,,	.877	.116	80.0	74.0	6.0	71.4	.76	80.0	81.4	,,	0·1					
9 ,,	.885	.132	79.0	73.5	5.5	71.1	.78	79.2	81.5	,,	0,0					
10 ,,	.881	.104	78.5	74.0	4.5	72.0	.82	79.0	81.5	,,	0.0					
11 ,,	.875	.092	78.0	74.0	4.0	72.3	·83	78.3	81.4	,,	0.0					
Oct. 11th-Midnight	.858	.017	78.7	75.7	3.0	74.5	.88	79.0	81.4	WSW	0.4					
1 a. m.	.838	.003	78.5	75.5	3.0	74.3	.88	78.9	81.4	,,	0.0					
2 ,,	.824	.003	78.0	75.0	3.0	73.8	·87	78·5	81.4	SW b W	0.0					
3 ,,	.823	28.995	77.4	75.0	2.4	74.0	.90	78.0	81·3	,,	0.0					
4 ,,	.833	29.005	77.4	75.0	2.4	74·0	.90	78.0	81.3	,,	0·0	None.	None.	None.	None.	None.
5 ,,	.843	.022	78.0	75.0	3.0	73.8	.87	78.2	81.3	,,	0.2					
6 ,,	.869	.025	77.7	75.5	2.2	74.6	.91	78.1	81.3	,,	0.2					
7 ,,	.887	.027	78.0	76.0	2.0	75.2	.92	78·4	81.3	,,	0.1					
8 ,,	.902	.057	79.4	76.0	3.4	74.7	·86	79.2	81.3	,,	0.1					
9 ,,	.919	.074	80.8	76.4	4.4	74.7	.82	80.1	81.3	,,	0.1					
10 ,,	.913	.072	81.5	76.5	5.0	74.5	.80	80.8	81.3	WSW	0.1					
11 ,,	.892	.074	84.6	76.8	7.8	73.6	.71	81.6	81.4	,,	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇ cirri; ⌇⌇ cirro-cumuli; ⌒ cumuli; ⌒⌇ cirro-strati; ⌒⌒ cumulo-strati; and ⌇⌇ nimbi.	
3	C	⌇⌇ scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°0.
2	R	" "	
0	R	A few patches of ⌇⌇ in E hor.	
0	R	A few patches of ⌇⌇ in E hor.; dew falling.	
3	R	⌇⌇ scattered about, moving SE; dew falling.	
1	B	A few ⌇ above E hor.; ⌇⌇ scattered about hor., moving SE.	
1	B	⌒⌇ in W hor; ⌇⌇ around the rest of hor; a few ⌇ scattered here and there.	
1	B	" " "	
1	B	" " "	
1	C	⌇⌇ scattered about hor.	
1	C	" "	
1	C	⌇⌇ scattered in E hem.	
2	C	⌇⌇ scattered about hor.	
4	R	⌇⌇ and ⌇ scattered about.	
4	R	" "	
2	R	⌇⌇ scattered around hor.	
3	R	⌇⌇ scattered about, moving NE.	
3	B	" "	
5	B	" "	
6	B	⌇⌇ scattered about, moving ENE.	
3	B	" "	
1	C	⌇⌇ scattered about hor.; dew falling.	
1	C	⌇⌇ scattered in E and W hor.; dew falling.	
0	C	A few patches of ⌇⌇ about hor.; dew falling.	
0	C	A few ⌇⌇ in W and SW hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°0.
2	R	⌇⌇ scattered around hor.; dew falling.	
3	R	" "	
1	R	⌇⌇ and ⌇ in hor.; dew falling.	
2	R	⌇⌇ and ⌇ scattered about N and E hor.; dew falling.	
2	B	⌇⌇ scattered about hor.; dew falling.	
5	B	⌇⌇ and ⌇ scattered about.	
3	B	" "	
4	B	" "	
5	C	⌇⌇ and ⌇⌇ scattered about hor.; ⌇ scattered throughout.	
6	C	⌇⌇, ⌇⌇, and ⌇ scattered about, the former moving NNE.	
5	C	" " "	
7	C	⌇⌇ and ⌇⌇ scattered about, the former moving NE.	
6	R	" " "	
4	R	⌇⌇ and ⌇⌇ scattered about, the former moving ENE.	
5	R	⌇⌇ and ⌇⌇ scattered about, the former moving NE.	
5	R	" " "	
8	B	Overcast with ⌇⌇, moving W.	
7	B	⌇⌇ scattered about, moving W.	
7	B	" "	
7	B	" "	
5	C	⌇⌇ and ⌇ scattered about.	
4	C	" "	
4	C	⌇⌇ scattered about hor.	
6	C	⌇⌇ and ⌇ scattered about.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°0.
5	R	" "	
8	R	⌇⌇ and ⌇ scattered about.	
4	R	⌇⌇ and ⌇ scattered about; dew falling.	
8	R	⌇⌇ and ⌇ scattered throughout.	
8	B	Light ⌇⌇ scattered throughout, moving W.	
8	B	" "	
7	B	" "	
7	B	" "	
7	C	" "	
6	C	⌇⌇ scattered about hor.; ⌇⌇ scattered throughout.	
6	C	" " "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Electrical Instruments. Interval of Time in seconds during the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 11th-Noon.	29.872	28.998	85°4	78°4	7°0	75°7	0.74	82°9	81°5	WSW	0.3					
1 p. m.	.855	.993	85.0	78.0	7.0	75.3	.74	82.7	81.5	,,	0.5					
2 ,,	.836	.995	86.0	78.0	8.0	74.9	.70	83.0	81.5	,,	0.3					
3 ,,	.837	29.033	86.6	77.0	9.6	73.1	.66	83.5	81.6	,,	0.5					
4 ,,	.845	.054	86.0	76.5	9.5	72.6	.66	83.0	81.7	,,	0.2					
5 ,,	.859	.101	84.5	75.2	9.3	71.3	.66	82.0	81.7	,,	0.1					
6 ,,	.871	.112	81.6	74.4	7.2	71.3	.72	81.1	81.7	,,	0.1	None.	None.	None.	None.	None.
7 ,,	.889	.096	80.5	75.0	5.5	72.7	.78	80.3	81.7	,,	0.0					
8 ,,	.910	.130	80.0	74.5	5.5	72.2	.78	80.0	81.7	,,	0.0					
9 ,,	.919	.120	80.0	75.0	5.0	73.0	.80	80.0	81.7	,,	0.0					
10 ,,	.920	.124	79.2	74.7	4.5	72.8	.82	79.6	81.7	,,	0.0					
11 ,,	.909	.096	78.7	75.0	3.7	73.5	.85	79.1	81.6	,,	0.0					
Oct. 12th-Midnight	28.895	.076	78.2	75.0	3.2	73.7	.87	78.8	81.6	WSW	0.0					
1 a. m.	.877	.054	78.0	75.0	3.0	73.8	.87	78.5	81.6	,,	0.0					
2 ,,	.863	.014	79.0	76.0	3.0	74.8	.88	79.0	81.5	,,	0.0					
3 ,,	.859	.010	79.0	76.0	3.0	74.8	.88	79.0	81.5	,,	0.5					
4 ,,	.861	.003	78.2	76.0	2.2	75.1	.91	78.8	81.5	,,	0.0					
5 ,,	.877	.020	78.3	76.0	2.3	75.1	.90	79.0	81.5	,,	0.2					
6 ,,	.897	.054	78.1	75.6	2.5	74.6	.90	78.7	81.5	,,	0.1					
7 ,,	.923	.061	78.6	76.2	2.4	75.3	.90	78.9	81.5	,,	0.2					
8 ,,	.945	.072	80.4	77.0	3.4	75.7	.86	79.9	81.5	,,	0.2					
9 ,,	.955	.053	82.5	78.3	4.2	76.7	.83	81.2	81.5	,,	0.4					
10 ,,	.953	.087	82.5	77.4	5.1	75.4	.80	81.6	81.5	,,	0.2					
11 ,,	.935	.049	83.9	78.3	5.6	76.1	.78	82.2	81.6	,,	0.1	None.	None.	None.	None.	None.
Noon.	.905	.043	85.0	78.0	7.0	75.3	.74	82.6	81.7	,,	0.1					
1 p. m.	.879	.023	85.5	78.0	7.5	75.1	.72	83.0	81.7	W b N	0.6					
2 ,,	.861	.027	85.4	77.4	8.0	74.3	.70	83.0	81.8	,,	0.6					
3 ,,	.847	28.985	85.0	78.0	7.0	75.3	.74	83.0	81.7	NW b W	0.5					
4 ,,	.847	29.018	84.4	77.0	7.4	74.1	.72	82.7	81.9	NW	0.6					
5 ,,	.873	.103	82.6	75.0	7.6	71.8	.71	81.6	81.9	,,	0.2					
6 ,,	.887	.083	81.3	75.5	5.8	73.1	.77	81.0	81.9	,,	0.3					
7 ,,	.909	.096	80.5	75.5	5.0	73.5	.80	80.5	81.8	,,	0.2					
8 ,,	.924	.111	80.5	75.5	5.0	73.5	.80	80.5	81.8	,,	0.2					
9 ,,	.925	.120	80.2	75.2	5.0	73.2	.80	80.4	81.8	,,	0.1					
10 ,,	.923	.118	80.2	75.2	5.0	73.2	.80	80.4	81.8	,,	0.0					
11 ,,	.911	.102	79.8	75.2	4.6	73.3	.81	80.0	81.8	,,	0.0					
Oct. 14th-Midnight	.912	.053	80.2	76.6	3.6	75.2	.85	80.4	82.2	NW	0.0					
1 a. m.	.902	.064	80.0	76.0	4.0	74.4	.84	80.0	82.0	,,	0.4					
2 ,,	.893	.025	79.0	76.5	2.5	75.5	.90	79.4	82.0	,,	0.1					
3 ,,	.887	.019	79.0	76.5	2.5	75.5	.90	79.0	82.0	,,	0.2					
4 ,,	.888	.032	78.4	76.0	2.4	75.1	.90	79.0	82.0	,,	0.2					
5 ,,	.901	.042	78.1	76.0	2.1	75.2	.91	79.0	82.0	,,	0.0					
6 ,,	.927	.065	77.8	76.0	1.8	75.3	.92	78.5	82.0	,,	0.0					
7 ,,	.954	.095	78.8	76.2	2.6	75.2	.89	78.9	82.0	,,	0.2					
8 ,,	.968	.098	80.6	77.0	3.6	75.6	.85	80.0	81.9	,,	0.2					
9 ,,	.972	.139	82.6	76.6	6.0	74.2	.77	81.7	81.9	,,	0.4					
10 ,,	.960	.067	82.2	78.0	4.2	76.4	.83	81.5	81.9	NW b N	0.4					
11 ,,	.932	.023	84.5	79.0	5.5	76.9	.79	82.7	82.0	,,	0.5	None.	None.	None.	None.	None.
Noon.	.901	.021	85.3	78.5	6.8	75.9	.74	83.3	82.1	,,	0.3					
1 p. m.	.870	28.983	86.5	79.0	7.5	76.2	.72	84.0	82.1	NNW	0.8					
2 ,,	.848	.966	87.0	79.0	8.0	76.0	.71	84.2	82.2	,,	1.0					
3 ,,	.831	.906	86.9	80.0	6.9	77.5	.75	84.6	82.2	,,	1.0					
4 ,,	.835	.940	85.8	79.0	6.8	76.5	.75	84.0	82.4	,,	1.0					
5 ,,	.849	.976	84.0	78.0	6.0	75.7	.77	83.0	82.4	,,	0.8					
6 ,,	.861	.988	82.2	77.5	4.7	75.7	.81	82.0	82.4	,,	1.0					
7 ,,	.882	.993	81.8	77.8	4.0	76.3	.84	81.6	82.4	,,	0.6					
8 ,,	.904	29.005	81.6	78.0	3.6	76.6	.86	81.4	82.4	,,	0.4					
9 ,,	.907	.011	81.2	77.8	3.4	76.5	.86	81.4	82.4	,,	0.5					
10 ,,	.905	.019	81.0	77.5	3.5	76.1	.86	81.2	82.4	,,	0.4					
11 ,,	.898	.012	81.0	77.5	3.5	76.1	.86	81.1	82.4	,,	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ≀≀ nimbi.	
6	C	≀≀ and ≀≀ scattered about, the former moving NE.	
7	R	" " "	
5	R	" " "	
4	R	" " "	
4	R	≀≀ and ≀≀ scattered about hor., the former moving NE.	
4	B	∩ along E hor.; ≀≀ scattered about.	
4	B	" "	
3	B	A few masses of ≀≀ around hor.; ≀≀ scattered about.	
2	B	≀ above NE hor.; ≀≀ and ≀≀ scattered around hor.	
7	C	≀≀ and ≀≀ scattered throughout, both moving NW.	
6	C	" " "	
7	C	" " "	
4	C	≀≀ scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°0.
6	R	≀≀ and ≀ scattered about, the former moving W.	
8	R	" " "	
4	R	≀≀ scattered about hor., moving NW.	
2	R	≀≀ and ≀ scattered around hor.	
8	B	Overcast with ≀≀ and ≀≀, both moving NW.	
7	B	∩ along W hor.; ≀≀ around hor.; ≀≀ scattered about.	
6	B	∩ along W hor.; ≀≀ and ≀≀ scattered about, the former moving NE.	
5	B	" " "	
4	C	≀≀ around hor.; ≀≀ scattered about.	
6	C	" "	
6	C	≀≀ scattered throughout, moving NW.	
5	C	≀≀ scattered about, moving N.	
4	R	" "	
4	R	∩ in E and NE hor.; ≀≀ and ≀≀ around hor.	
4	R	∩ in E and NE hor.; ≀≀ scattered about, moving E.	
3	R	∩ in E and NE hor.; ≀≀ scattered about hor., moving E.	
2	B	∩ along E hor.; ≀≀ around hor.	
2	B	" "	
1	B	≀≀ and ≀ scattered around hor.	
1	B	" "	
1	C	≀≀ scattered about, moving ESE.	
4	C	≀≀ and ≀≀ scattered about, the former moving ESE.	
5	C	" " "	
4	C	≀≀ scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°3. This was the 31st day on which lightning was observed after sunset.
6	R	" "	
5	R	" "	
4	R	" "	
2	R	≀≀ scattered around hor.; dew falling.	
1	B	" "	
4	B	≀≀ along W hor.; ≀≀ scattered about, moving SE.	
7	B	≀≀ scattered throughout, moving SSE.	
4	B	" "	
4	C	≀≀ scattered in E hem., moving SE.	
6	C	≀≀ scattered about, moving SSW.	
4	C	≀≀ scattered about E hem., moving SSW.	
6	C	≀≀ scattered about, moving SW.	
4	R	≀≀ scattered around hor.	
2	R	∩ along E hor.; ≀≀ around hor.	
2	R	" "	
2	R	∩ along E hor.; ≀ above S hor.; ≀≀ scattered around hor.	
1	B	" " "	
1	B	∩ along E hor.; ≀≀ around hor.; continuous lightning in SE after 0h. 30m.	
1	B	Clouded around hor.; continuous lightning in SE hor.	
1	B	≀≀ and ≀ scattered about hor.; lightning in SE hor. every minute.	
1	C	≀≀ and ≀ scattered about hor.	
0	C	A few patches of ≀≀ in SE hor.	
6	C	≀≀ and ≀ scattered about, moving SSW.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in the recovering degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 15th-Midnight	29.894	29.012	80°7	77°3	3°4	76°0	0.86	81°0	82°4	NNW	0.2					
1 a. m.	.880	28.967	80.4	78.0	2.4	77.1	.90	80.5	82.4	"	0.5					
2 "	.870	.982	79.0	77·0	2.0	76.2	.92	79.6	82.5	"	0.2					
3 "	.864	.973	78.7	77.0	1.7	76.3	.93	79.1	82.4	"	0.1					
4 "	·863	.972	78.7	77.0	1.7	76.3	.93	79.0	82.3	"	0.1					
5 "	.870	.977	78.5	77.0	1.5	76.4	.94	79.0	82.3	"	0.0					
6 "	.897	29.019	78.0	76.5	1.5	75.9	.94	78.9	82.3	"	0.0					
7 "	.915	.015	79.4	77.4	2.0	76.6	.92	79.5	82.3	"	0.1					
8 "	.930	·026	81.2	78.0	3.2	76.8	.87	80.9	82.3	"	0.2					
9 "	.932	.010	83.4	79.0	4.4	77.4	.83	82.0	82.3	N b W	0.3					
10 "	.924	28.978	85.0	80.0	5.0	78.2	.81	83.1	82.3	"	0.3					
11 "	.897	.952	85.1	80.0	5.1	78.2	.80	83.2	82.4	"	0·4	None.				
Noon.	.864	.914	86.2	80.4	5.8	78.3	.78	83.9	82.5	"	0.5					
1 p. m.	.833	.863	86.7	81·0	5.7	79.0	.79	84.3	82.5	NNW	0.8					
2 "	.815	.870	86.6	80.4	6.2	78.2	.77	84.5	82.5	"	1.0					
3 "	.801	.868	86.2	80.0	6.2	77.8	.77	84.4	82.6	"	1·0					
4 "	.797	.872	85.0	79.5	5.5	77.5	.79	84.0	82.6	"	1.3					
5 "	.832	.913	83.6	79.0	4.6	77.3	.82	83.0	82.6	"	0·6					
6 "	.845	.944	82.2	78·2	4·0	76.7	.84	82.1	82.6	"	0.5					
7 "	.890	29.027	81.3	77.0	4.3	75.3	.83	81.2	82.6	E b N	0.8	—		Out of Sc.	Out of Sc.	Instantly.
8 "	.892	.104	78.2	74.2	4.0	72.5	.83	79.5	82.6	SE b E	0·3	—		Out of Sc.	50	0.07
9 "	.883	.010	79.0	76.6	2.4	75·7	.90	79.9	82.6	"	0.2	+		2		3.20
10 "	.883	28.972	80.5	78.0	2.5	77.0	.90	80.6	82.6	"	0.0	+		2		2.48
11 "	.881	.997	79.4	77.0	2.4	76.1	.90	80.2	82.6	"	0.0					
Oct. 16th-Midnight	.873	.987	79.2	77.0	2.2	76.1	.91	80.1	82.6	SE b E	0.1					
1 a. m.	.855	.965	78.8	77.0	1.8	76.3	.92	79.5	82.5	"	0.1					
2 "	.847	.954	78.5	77.0	1.5	76.4	.94	79.1	82·5	"	0·1					
3 "	.852	.957	78.4	77.0	1.4	76.5	.94	79.0	82.5	"	0.1					
4 "	.849	.952	78.2	77.0	1·2	76.5	.95	79.0	82.4	"	0.1					
5 "	.852	29.010	78.0	76.4	1.6	74.6	.93	79.0	82.3	"	0.1					
6 "	.877	28.980	78.2	77.0	1.2	76.5	.95	78.8	82.3	"	0.1					
7 "	.897	29.002	78.4	77.0	1.4	76.5	.94	78.9	82.3	"	0.2					
8 "	.910	.014	80.4	77.6	2.8	76.5	.88	79.9	82.3	"	0.1					
9 "	.924	.029	82.0	78.0	4.0	76.5	.84	81.7	82.3	"	0.1					
10 "	.921	.035	82·8	78.0	4.8	76.1	.81	81.9	82.4	NNE	0.2	None.	None.	None.	None.	None.
11 "	.895	.003	84.2	78.5	5.7	76.4	.78	82·3	82.4	N b W	0.2					
Noon.	.869	28.926	85.3	80.0	5.3	78.1	.80	83.0	82.4	"	0.4					
1 p. m.	.853	.918	86.0	80.0	6.0	77.8	.77	83.7	82.5	NNW	0.5					
2 "	.828	.935	86.0	79.0	7.0	76.4	.74	84.0	82.5	"	0.8					
3 "	.821	.928	86.0	79.0	7.0	76.4	.74	84.0	82.5	"	0.8					
4 "	.824	.941	85.0	78·5	6.5	76.0	.75	83.5	82.6	"	1.0					
5 "	.842	·998	83.0	77.0	6·0	74.6	.77	82.6	82.6	"	0.8					
6 "	.864	29.031	81·2	76.2	5.0	74.2	.80	81.1	82.6	"	0.8					
7 "	.876	.005	80.5	77.0	3.5	75.6	.86	81.0	82.6	"	1.0					
8 "	.883	.007	80.1	77.0	3.1	75.8	.87	80.5	82.6	"	1.0					
9 "	.894	.033	79.7	76.5	3.2	75.2	.87	80.1	82.6	"	0.7					
10 "	.897	.035	79.6	76.5	3.1	75.3	.87	80.0	82.5	"	0.7					
11 "	.885	.001	79.4	77.0	2.4	75.0	.90	80.0	82.5	"	0.6					
Oct. 17th-Midnight	.879	29.006	79.0	76.6	2.4	75.7	.90	79.8	82.5	N b W	0.3					
1 a. m.	.861	28.990	78.8	76.5	2.3	75.6	.90	79·3	82.5	"	0.5					
2 "	.847	.974	78.6	76.5	2.1	75.7	.91	79.0	82.4	"	0.4					
3 "	.841	.964	78.2	76.5	1.7	75·8	.93	78.8	82.3	"	0.6					
4 "	.847	.998	77.6	75.6	2.0	74.8	.92	78.2	82.4	"	0.4					
5 "	.870	29.031	76.4	75.0	1.4	74.4	.94	77.4	82.3	"	0.1					
6 "	.888	.051	76.5	75.0	1.5	74.4	.94	77.5	82.1	"	0.1					
7 "	.910	.046	77.5	76.0	1·5	75·4	.94	77.8	82.1	"	0.1	None.	None.	None.	None.	None.
8 "	.933	.070	79.1	76.4	2·7	75.3	.89	79.0	82.1	"	0.2					
9 "	.941	.093	79.8	76.2	3.6	74.8	.85	79.5	82.0	"	0·1					
10 "	·939	.097	81.0	76·4	4.6	74.6	·82	80.2	82.0	N	0.1					
11 "	.919	.066	82·2	77·0	5.2	75.0	.80	81.0	82.0	"	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌣≀ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	
7	C	A few ≀ above E hor.; ≀≀ scattered about, moving SW.	Mean daily temperature of ground 20 and 60 inches below its surface 82°4 and 83°4. This was the 32nd day on which lightning was observed after sunset.
2	R	≀≀ scattered about hor., moving SW.	
2	R	≀≀ scattered about hor., moving S; dew falling.	
0	R	A few patches of ≀≀ around hor.; dew falling.	
0	R	Clear, except in hor.; dew falling.	
1	B	≀≀ scattered along E hor.; dew falling.	
1	B	≀≀ scattered along E hor.	
1	B	" "	
1	B	≀≀ scattered in hor.; ≀≀ about zenith.	
2	C	≀≀ scattered about hor., moving SW.	
4	C	≀≀ scattered about, moving WSW.	
2	C	≀≀ scattered about hor.	
1	C	≀≀ scattered along E hor.	
2	R	∩≀ and ≀≀ scattered around hor.	
2	R	" "	
2	R	" "	
6	R	∩≀ along E hor.; ≀≀ scattered about, moving NW.	
3	B	∩≀ along E hor.; ≀≀ scattered about hor.	
6	B	∩≀ along E hor.; ≀≀ and ≀≀ scattered about, moving W; lightning in NE, at intervals of about 1¼m.	
8	B	Overcast with ≀≀, moving WSW; lightning in NE, at intervals of about 6½m. light breezes of wind from E.	
8	R	Overcast with ≀≀, moving W; lightning in NE; light breezes of wind from E.	
8	C	Overcast; lightning in E, at intervals of 2½m.	
8	C	Overcast; lightning in ENE.	
8	C	Overcast with ≀≀, moving W.	
7	C	≀≀ scattered about, moving W.	Mean daily temperature of ground 20 and 60 inches below its surface 82°6 and 83°4.
8	R	≀≀ scattered throughout, moving W.	
7	R	≀≀ and ≀≀ scattered about, the former moving W; dew falling.	
8	R	Overcast with ≀≀ and ≀≀; a few stars dimly visible; dew falling.	
5	R	≀≀ and ≀≀ scattered about; dew falling.	
7	B	≀≀ scattered about, moving W; dew falling.	
7	B	≀≀ and ≀≀ scattered about, the former moving W.	
6	B	" "	
5	B	≀≀ and ≀≀ scattered about, the former moving WNW, and the latter S.	
5	C	A few masses of ≀≀ in E; ≀≀ scattered about, moving WNW.	
4	C	≀≀ and ≀≀ scattered about.	
3	C	≀≀ scattered in E hem.	
3	C	≀≀ along E hor.; ≀≀ scattered about, moving SE.	
3	R	≀≀ along E hor.; ≀≀ scattered about, moving S.	
2	R	∩≀ scattered along E hor.	
1	R	" "	
1	R	" "	
1	B	∩≀ along E hor; ≀≀ scattered about hor.	
1	B	" " "	
1	B	≀ and ≀≀ scattered around hor.	
1	B	" "	
0	C	A few patches of ≀≀ in E hor.	
1	C	≀≀ scattered along E hor.	
1	C	" "	
3	C	≀≀ scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°8 and 83°5.
4	R	" "	
7	R	" "	
5	R	Clouded as at 2 A.M; dew falling.	
3	R	≀≀ scattered about hor., moving SSE; dew falling.	
2	B	" " "	
3	B	≀≀ scattered about hor., moving SSE.	
5	B	≀≀ scattered about, moving SE.	
3	B	" "	
5	C	" "	
7	C	" "	
4	C	≀≀ scattered about E hem.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 17th-Noon.	29.891	29.044	83°5	77°2	6°3	74°7	0.76	81°8	82°0	N	0.3					
1 p. m.	.861	.011	84.3	77.5	6.8	74.8	.74	82.0	82.1	NW b N	0.5					
2 „	.841	28.994	84.6	77.5	7.1	74.7	.73	82.5	82.2	NW	0.8					
3 „	.830	.980	84.6	77.6	7.0	74.8	.74	82.5	82.2	„	0.5					
4 „	.826	.991	83.8	77.0	6.8	74.3	.74	82.1	82.2	„	0.5	None.	None.	None.	None.	None.
5 „	.841	29.019	81.9	75.6	6.3	73.0	.75	81.0	82.2	„	0.4					
6 „	.853	.054	80.0	75.0	5.0	73.0	.80	80.2	82.2	„	0.7					
7 „	.874	.056	79.3	75.3	4.0	73.6	.84	79.6	82.2	„	0.4					
8 „	.892	.082	79.0	75.0	4.0	73.3	.84	79.5	82.2	„	0.2					
9 „	.897	.083	78.6	75.0	3.6	73.5	.85	79.2	82.2	„	0.1					
10 „	.895	.114	78.2	74.0	4.2	72.2	.83	79.0	82.2	„	0.1					
11 „	.886	.103	78.0	74.0	4.0	72.3	.83	79.0	82.1	„	0.1					
Oct. 18th-Midnight	.881	.089	77.2	74.0	3.2	72.7	.87	78.0	82.0	NW	0.0		+	2	2	0,8
1 a. m.	.873	.072	76.4	74.0	2.4	73.0	.90	77.7	82.0	„	0.0					
2 „	.856	.051	76.0	74.0	2.0	73.2	.91	77.2	82.0	„	0.0					
3 „	.857	.052	76.0	74.0	2.0	73.2	.91	77.0	81.9	„	0.0					
4 „	.858	.053	76.0	74.0	2.0	73.2	.91	76.7	81.8	„	0.2					
5 „	.868	.077	75.2	73.4	1.8	72.6	.92	76.1	81.7	„	0.0					
6 „	.891	.111	74.9	73.0	1.9	72.2	.92	76.1	81.7	„	0.1					
7 „	.920	.116	76.3	74.2	2.1	73.1	.91	76.9	81.6	„	0.1					
8 „	.946	.095	78.8	76.0	2.8	74.9	.88	78.3	81.6	„	0.2					
9 „	.962	.128	80.4	76.0	4.4	74.3	.82	79.4	81.5	NW b N	0.2					
10 „	.960	.174	81.2	75.0	6.2	72.4	.76	80.0	81.5	„	0.3					
11 „	.938	.153	82.3	75.3	7.0	72.4	.73	80.6	81.6	„	0.4					
Noon.	.910	.147	83.3	75.0	8.3	71.5	.69	81.0	81.6	„	0.4	None.				
1 p. m.	.881	.087	84.0	76.0	8.0	72.8	.70	81.6	81.6	„	0.5					
2 „	.866	.054	83.8	76.4	7.4	73.4	.72	81.7	81.6	NW	0.6					
3 „	.858	.021	83.6	77.0	6.6	74.4	.75	81.7	81.7	„	0.7					
4 „	.853	28.968	82.9	78.0	4.9	76.1	.81	81.3	81.6	„	0.7					
5 „	.881	29.088	81.6	75.3	6.3	72.7	.75	80.5	81.7	„	0.6					
6 „	.897	.101	79.6	74.8	4.8	72.8	.81	79.6	81.7	„	0.4					
7 „	.917	.120	78.8	74.6	4.2	72.9	.83	79.0	81.7	„	0.5					
8 „	.938	.106	78.4	75.4	3.0	74.2	.87	78.9	81.7	„	0.2					
9 „	.945	.113	78.0	75.3	2.7	74.2	.89	78.6	81.7	„	0.2					
10 „	.941	.077	77.6	76.0	1.6	75.4	.93	78.0	81.6	„	0.0					
11 „	.932	.179	77.4	73.0	4.4	71.1	.82	77.8	81.5	„	0.0					
Oct. 19th-Midnight	.919	.175	77.4	72.5	4.9	70.7	.80	77.9	81.5	NW	0.3					
1 a. m.	.903	.148	77.2	73.0	4.2	71.2	.82	77.5	81.5	„	0.1					
2 „	.892	.132	76.7	73.0	3.7	71.4	.84	77.0	81.5	„	0.0					
3 „	.892	.161	76.0	72.0	4.0	70.2	.83	76.8	81.5	„	0.2					
4 „	.897	.164	75.8	72.0	3.8	70.2	.84	76.4	81.4	„	0.2					
5 „	.922	.159	75.7	72.5	3.2	71.4	.86	77.2	81.3	„	0.0					
6 „	.944	.208	75.5	72.0	3.5	70.4	.85	76.6	81.2	„	0.0					
7 „	.964	.220	76.1	72.4	3.7	70.7	.84	76.8	81.2	„	0.1					
8 „	.990	.246	78.2	73.0	5.2	70.7	.79	78.0	81.2	„	0.1					
9 „	.991	.223	80.0	74.2	5.8	71.7	.77	79.0	81.1	„	0.1					
10 „	.980	.206	81.2	74.7	6.5	71.9	.74	79.7	81.1	„	0.2					
11 „	.958	.178	82.5	75.2	7.3	72.2	.72	80.7	81.1	„	0.1					
Noon.	.928	.137	83.2	75.7	7.5	72.6	.71	81.2	81.1	„	0.2	None.	None.	None.	None.	None.
1 p. m.	.900	.117	84.0	75.7	8.3	72.3	.69	81.7	81.2	„	0.6					
2 „	.876	.084	84.2	76.0	8.2	72.7	.69	82.1	81.3	„	0.7					
3 „	.860	.105	84.0	75.0	9.0	71.2	.67	82.0	81.4	„	0.8					
4 „	.858	.095	83.3	75.0	8.3	71.5	.69	81.9	81.4	„	0.5					
5 „	.880	.115	81.7	74.6	7.1	71.6	.73	81.0	81.4	„	0.6					
6 „	.895	.131	79.7	74.0	5.7	71.5	.77	80.0	81.5	„	0.5					
7 „	.913	.133	79.3	74.3	5.0	72.2	.80	79.8	81.5	„	0.3					
8 „	.922	.128	78.8	74.5	4.3	72.8	.82	79.5	81.5	„	0.2					
9 „	.931	.136	78.5	74.5	4.0	72.8	.84	79.0	81.4	„	0.1					
10 „	.931	.136	78.5	74.5	4.0	72.8	.84	79.0	81.3	„	0.1					
11 „	.929	.135	78.4	74.4	4.0	72.8	.83	78.9	81.2	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌒≀ cirro-strati; ∩⌒≀ cumulo-strati; and ∩≀∩ nimbi.	
4	C	≀≀ scattered about, moving SE.	
3	R	" "	
2	R	" "	
1	R	≀≀ scattered about E hor.	
1	R	" "	
1	B	" "	
1	B	" "	
1	B	" "	
0	B	A few pieces of clouds above E hor.	
1	C	≀≀ scattered in E hem., moving SW.	
0	C	Clear, except in hor.	
0	C	" "	
2	C	≀ scattered about; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 83°4.
1	R	≀ scattered along E hor.; dew falling.	
2	R	≀ along E hor.; ≀≀ scattered along W hor; dew falling.	
5	R	≀≀ scattered about, moving SSE; dew falling.	
2	R	≀≀ scattered around hor; dew falling.	
1	B	≀≀ scattered along E hor; dew falling.	
1	B	" "	
2	B	≀≀ scattered around hor; mist along W hor.	
2	B	" "	
4	C	≀≀ scattered about; mist along W hor.	
5	C	≀≀ scattered about, moving SE.	
4	C	" "	
3	C	≀≀ scattered about hor.	
6	R	≀ and ≀≀ scattered about.	
5	R	≀≀ scattered about.	
6	R	" "	
2	R	≀≀ scattered about hor.	
1	B	" "	
1	B	" "	
1	B	" "	
1	B	" "	
1	C	" "	
1	C	≀≀ scattered along E hor.	
2	C	" "	
4	C	∩≀ scattered about E hem., moving N.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 83°6. At 9 A. M. the Barometer was 29·991, highest during the month.
7	R	∩≀ scattered throughout, moving N.	
7	R	∩≀ scattered throughout, moving NNW; a few drops of rain at 2h. 55m.	
8	R	Overcast with ∩≀, moving NNW; slight drops of rain now and then.	
7	R	∩≀ scattered about, moving NW.	
8	B	Overcast with ∩≀, moving S.	
7	B	∩≀ around hor; ≀≀ scattered about, moving W.	
8	B	Overcast with ≀≀, moving W; mist along W hor.	
7	B	" " "	
4	C	≀≀ scattered about hor.	
6	C	≀≀ scattered about.	
5	C	" "	
5	C	" "	
2	R	≀≀ scattered about hor.	
1	R	≀≀ scattered along E hor.	
1	R	" "	
1	R	" "	
1	H	" "	
2	H	" "	
8	H	Overcast with ≀≀.	
6	H	≀≀ scattered throughout.	
3	H	≀≀ scattered about E hem.	
7	H	≀≀ scattered throughout, moving NW.	
8	H	∩≀ scattered throughout, moving WNW.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or−	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 21st-Midnight	29.868	28.989	78°4	76°6	1°8	75°4	0.92	79°0	81°7	NW b W	0.0					
1 a. m.	.847	.950	78.2	77.0	1.2	76.5	.95	78.8	81.7	NW	0.0					
2 „	.843	.944	78.0	77.0	1.0	76.6	.96	78.5	81.6	NW b W	0.5					
3 „	.841	.942	78.0	77.0	1.0	76.6	.96	78.5	81.6	„	0.5					
4 „	.839	.940	78.0	77.0	1.0	76.6	.96	78.5	81.6	NW	0.4					
5 „	.862	.946	77.2	77.2	0.0	77.2	1.00	78.1	81.5	„	0.5					
6 „	.888	29.023	76.8	75.8	1.0	75.4	0.96	77.6	81.5	„	0.1					
7 „	.913	.030	76.8	76.2	0.6	76.0	.97	77.8	81.5	„	0.1					
8 „	.929	.047	78.8	76.8	2.0	76.0	.92	79.0	81.6	NW b N	0.1					
9 „	.930	.020	80.6	78.0	2.6	77.0	.89	80.0	81.6	„	0.1					
10 „	.923	.032	82.4	78.0	4.4	76.3	.83	81.0	81.6	„	0.1					
11 „	.905	28.988	83.8	79.0	4.8	77.2	.81	82.0	81.7	„	0.1	None.	None.	None.	None.	None.
Noon.	.867	29.007	85.2	78.0	7.2	75.2	.73	82.5	81.7	„	0.1					
1 p. m.	.829	28.936	86.0	79.0	7.0	76.4	.74	83.2	81.9	NW	0.4					
2 „	.811	.899	86.6	79.6	7.0	77.0	.74	83.9	81.9	„	0.4					
3 „	.787	.863	87.0	80.0	7.0	77.5	.74	84.2	82.0	„	0.6					
4 „	.787	.956	86.0	77.5	8.5	74.1	.69	82.9	82.0	„	1.0					
5 „	.799	.980	83.5	76.5	7.0	73.7	.73	82.0	82.0	„	0.4					
6 „	.820	29.011	82.6	76.0	6.6	73.3	.77	82.0	82.0	NW bN	1.6					
7 „	.843	.027	82.0	76.0	6.0	73.6	.77	81.5	82.0	„	1.4					
8 „	.880	.086	82.2	75.5	6.7	72.8	.74	81.8	82.0	N	0.2					
9 „	.884	.047	81.5	76.4	5.1	74.4	.80	81.2	82.2	NNE	0.3					
10 „	.878	.068	80.8	75.5	5.3	73.3	.79	80.8	82.2	„	0.3					
11 „	.869	.018	80.6	76.5	4.1	74.9	.84	80.8	82.1	„	0.1					
Oct. 22nd-Midnight	.864	.026	80.0	76.0	4.0	74.4	.84	80.0	82.1	NE b N	0.0					
1 a. m.	.856	28.994	79.6	76.5	3.1	75.3	.87	79.9	82.1	„	0.0					
2 „	.855	29.034	79.4	75.4	4.0	73.8	.84	79.8	82.1	„	0.0					
3 „	.845	28.985	79.8	76.5	3.3	75.2	.86	79.5	82.0	„	0.0					
4 „	.849	29.043	79.4	75.0	4.4	73.2	.82	79.7	82.0	„	0.4					
5 „	.877	.013	79.8	76.6	3.2	75.4	.87	80.0	82.0	„	0.5					
6 „	.881	.071	79.0	75.0	4.0	73.3	.84	79.6	82.0	„	0.2					
7 „	.897	.081	79.2	75.2	4.0	73.6	.84	79.6	82.0	„	0.1					
8 „	.931	.104	79.6	75.6	4.0	74.0	.84	79.9	82.1	„	0.1					
9 „	.943	.139	79.5	75.0	4.5	73.1	.82	79.6	82.0	„	0.0					
10 „	.927	.078	79.0	76.0	3.0	74.8	.88	79.3	82.0	„	0.0	0.02				
11 „	.900	.056	81.6	76.6	5.0	74.6	.80	81.0	82.0	„	0.1					
Noon.	.863	28.992	83.0	77.8	5.2	75.8	.80	81.7	82.1	„	0.0				None.	
1 p. m.	.833	.989	83.0	77.0	6.0	74.6	.77	82.0	82.1	NE	0.5					
2 „	.815	.960	82.0	77.0	5.0	75.0	.80	81.6	82.0	N b E	0.4					
3 „	.799	.914	81.8	77.7	4.1	76.1	.84	81.5	82.0	„	0.5					
4 „	.799	.900	81.6	78.0	3.6	76.6	.86	81.3	82.0	N	0.5					
5 „	.821	.938	81.6	77.6	4.0	76.0	.84	81.3	82.0	N b W	0.4					
6 „	.832	29.016	75.0	74.0	1.0	73.6	.96	76.6	81.8	NE	0.2	0.40	+	4		Above 10m.
7 „	.854	.005	76.2	75.2	1.0	74.8	.96	77.0	82.0	„	0.2					
8 „	.882	.033	77.6	75.6	2.0	74.8	.92	78.5	82.0	„	0.1					
9 „	.884	.027	77.5	75.4	1.7	75.1	.93	78.5	82.0	„	0.0	0.01				
10 „	.872	.005	77.4	76.0	1.4	75.5	.94	78.5	81.9	„	0.0					
11 „	.866	28.996	77.8	76.2	1.6	75.6	.93	78.4	81.9	„	0.0					
Oct. 23rd-Midnight	.862	28.976	77.8	76.6	1.2	76.1	.95	78.8	81.8	NE	0.0					
1 a. m.	.846	.944	77.7	77.0	0.7	76.7	.97	78.4	81.7	„	0.0		+	6		0.20
2 „	.830	.927	77.6	77.0	0.6	76.7	.97	78.0	81.7	„	0.0		+	7		0.20
3 „	.830	.929	77.8	77.0	0.8	76.7	.97	78.1	81.7	„	0.0		+	1		0.20
4 „	.825	.888	78.2	78.0	0.2	77.9	.99	78.5	81.8	„	0.0	None.	+	2	None.	0.20
5 „	.835	.964	78.4	76.4	2.0	75.6	.92	79.0	81.8	„	0.0					
6 „	.867	.972	78.4	77.0	1.4	76.5	.94	79.0	81.7	„	0.1					
7 „	.890	.989	78.6	77.2	1.4	76.7	.94	79.0	81.7	„	0.1		+	2		Above 10m.
8 „	.909	29.038	79.8	76.8	3.0	75.6	.88	79.8	81.7	„	0.1		+	3		0.20
9 „	.925	.023	82.5	78.3	4.2	76.7	.83	81.4	81.7	„	0.1					
10 „	.922	.041	83.3	78.0	5.3	76.0	.79	81.9	81.8	„	0.0					
11 „	.899	.037	85.0	78.0	7.0	75.3	.74	82.9	81.9	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇ *cirri*; ⌇⌇ *cirro-cumuli*; ⌒ *cumuli*; ⌣ *cirro-stratì*; ⌒⌣ *cumulo-stratì*; and ⌇⌣ *nimbi*.	
0	C	Clear, except in hor; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 83°5.
2	R	⌇ and ⌇⌇ scattered about hor; dew falling.	
5	R	⌇ and ⌇⌇ scattered about, the former moving S; dew falling.	
8	R	" " "	
4	R	" " "	
6	H	" " "	
4	H	⌇ and ⌇⌇ scattered about, the former moving S; dew falling.	
3	H	⌇⌇ along E hor; ⌇ scattered about, moving S.	
1	H	⌇ and ⌇⌇ scattered in E hem.	
1	C	⌇ and ⌇⌇ scattered along E hor.	
1	C	" "	
0	C	⌇ scattered along E hor.	
0	C	A few ⌇ scattered around hor.	
1	R	⌇⌇ along E hor.; ⌇ scattered along W hor.	
2	R	⌇⌇ and ⌇ scattered around hor,	
3	R	" "	
3	R	⌇ and ⌇⌇ scattered about.	
3	H	" "	
5	H	⌇⌇ scattered about.	
3	H	" "	
6	H	" "	
7	C	Densely clouded with ⌇⌣ and ⌇⌇, the former moving WSW.	
8	C	Overcast with ⌇⌣ and ⌇⌇, both moving WSW.	
8	C	" "	
8	C	Overcast with ⌇⌣ and ⌇⌇; slight drops of rain between 0h. 4m. and 0h. 40m.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 83°5. Daily fall of rain by Osler's Gauge 0·37 in; maximum tension of Electricity by Henly's Apparatus 25; maximum length of the spark by Ronald's measure 0·35. This was the 33rd day on which lightning was observed after sunset.
8	R	Overcast with ⌇⌣, moving W.	
8	R	Overcast; slight drops of rain between 2h. 20m. and 2h. 25m.	
8	R	Overcast; no rain.	
8	R	" "	
8	H	" "	
8	H	" "	
8	H	Overcast; slight rain after 7h. 20m.	
8	H	Overcast; rain ceased at 8h. 15m., but recommenced at 8h. 49m.	
8	C	Overcast; raining.	
8	C	Overcast; rain ceased at 10h. 12m.	
8	C	Overcast with ⌇⌣, moving W.	
8	C	" "	
8	R	" "	
8	R	" "	
8	R	" "	
8	R	" " [of the hour.	
8	H	Overcast; lightning and thunder in NE after 8h. 15m.; rain from 5h. 15m. to 5h. 35m.; and again from 5h. 37m. to the end	
8	H	Overcast with ⌇⌣, moving SW; lightning in NW.	
8	H	Overcast; light rain from 7h. 40m. to 8h. 0m.	
8	H	Overcast; light rain from 8h. 15m. to 8h. 22m.	
8	C	Overcast with ⌇⌣, moving NNW.	
8	C	" "	
8	C	" "	
8	C	Overcast with ⌇⌣, moving NNW; a few stars dimly visible.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 83°5. Daily fall of rain by Osler's Gauge 0·77 in.; maximum tension of Electricity by Henly's Apparatus 15; maximum length of the spark by Ronald's measure 0·18 in. This was the 34th day on which lightning was observed after sunset.
8	R	" " "	
7	R	⌇⌣ and ⌇⌇ scattered throughout, the former moving NW; dew falling.	
6	R	⌇⌣ along W hor.; ⌇⌇ scattered throughout; dew falling.	
7	R	⌇⌣ and ⌇⌇ scattered throughout, the former moving WNW; dew falling.	
7	H	" " "	
7	H	Clouded as before; dew not visible.	
8	H	" "	
7	H	⌇⌣ and ⌇⌇ scattered throughout, the former moving WNW.	
5	C	⌇⌣ and ⌇⌇ scattered about hor.	
6	C	⌇⌣ and ⌇⌇ scattered about, moving W.	
7	C	" "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 Inch in the Ground.	Ground Thermometers. Thermometer 9 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 23rd-Noon.	29.873	29.001	86·8	78·7	8·1	75·6	0.70	83·9	82·0	NE	0.0					
1 p. m.	.841	28.919	87.2	80.0	7.2	77.4	.74	84.5	82.1	NE b E	0.0					
2 „	.819	.891	86.6	80.0	6.6	77.6	.76	84.3	82.2	„	0.1					
3 „	.791	.867	87·0	80·0	7.0	77.5	.74	84.7	82.3	NNE	0.5					
4 „	.797	.870	86.7	80.0	6.7	77.6	.75	84.2	82.3	N b E	0.5					
5 „	.845	.935	85 2	79.2	6.0	77.0	.77	84.0	82.3	N	0.3		+	5		0.5
6 „	.895	29.127	76.0	73.0	3.0	71.7	.87	77.6	82.2	NE	0.2	0.20	−	Out of Sc.	Out of Sc.	Instantly.
7 „	.909	.093	75·0	74.0	1.0	73.6	.96	76 6	82.2	NE b E	0.0	0.62	+	16		0.10
8 „	.931	.115	75.0	74.0	1.0	73.6	.96	76 6	82.2	„	0.1	0.04	+	20		0.10
9 „	.940	.117	75.6	74.0	1.6	73.8	.93	76.8	82.2	„	0.2		+	3		0·35
10 „	.922	.119	76.2	74.0	2.2	73.1	.91	77.0	82.2	NE	0.7					
11 „	.900	.084	76.8	74.5	2.3	73.6	.90	77.5	82.1	NE b E	0.6					
Oct. 24th-Midnight	.866	.072	77·0	74.0	3.0	72.8	.87	77.7	81.9	ENE	0.5					
1 a. m.	.834	.002	77.0	75.0	2.0	74.2	.91	77.2	81.9	„	0.4					
2 „	.822	.026	76.8	74.0	2.8	72.8	.88	77.1	81.9	„	0.4					
3 „	.827	28.995	77.0	75.0	2.0	74.2	.91	76.8	81.8	„	0.2					
4 „	.822	29·017	76·0	74.0	2.0	73.2	.91	76.8	81.7	„	0.1					
5 „	.836	28.997	76.4	75.0	1.4	74.4	.94	77.0	81.6	„	0.1					
6 „	·852	29.031	76.6	74.6	2.0	73.8	.91	77.2	81.6	„	0 0					
7 „	.872	28.993	78.0	76.5	1.5	75.9	.94	78.0	81.5	„	0.0					
8 „	.889	.934	80.0	77.7	2.3	76.8	.90	79.5	81.5	„	0·0					
9 „	.908	29.042	81.0	77.0	4.0	75.4	.84	80.0	81.6	„	0.0					
10 „	.907	.046	82.2	77.2	5.0	75.2	.80	81.0	81.6	„	0.1					
11 „	.882	.046	83.7	77.0	6.7	74.3	.74	81.9	81.7	„	0.1	None.			None.	
Noon.	.855	28.923	86.3	80.0	6.3	77·7	.76	83.1	81.8	„	0.1					
1 p. m.	.824	.925	84.0	78.6	5.4	76.6	.79	82.1	81·7	NE b E	0.1					
2 „	.798	.873	84.6	79·4	5.2	77.5	.80	82.8	81.9	NW b N	0.5					
3 „	.791	.887	85.0	79.0	6.0	76.8	.77	83.0	81.9	„	0.2					
4 „	.818	.914	85.0	79.0	6.0	76.8	.77	83.0	81.9	„	0.2					
5 „	.847	.965	83.2	78.0	5.2	76.0	.80	82·4	82.0	„	0.2					
6 „	.864	29.078	79.5	74.5	5.0	72.4	.80	80.1	82.1	E	1.5					
7 „	.892	.080	78.8	75.0	3.8	73.4	.85	79.8	82.0	„	0.6		+	2		
8 „	.907	.071	78.8	75.6	3.2	74.3	.87	79.4	82.0	E b N	0.4		+	10		0.07
9 „	.908	.087	78.0	75.0	3.0	73.8	.87	79.0	81.9	ENE	0.5		+	3		0.10
10 „	.907	.120	77·6	74.0	3·6	72.5	.85	79.0	81.9	„	0.4		+	2		
11 „	.887	.067	77.4	74.8	2.6	73.7	.89	78.7	81.8	„	0.3		+	2		
Oct. 25th-Midnight	.879	·070	77.4	74.5	2.9	76.4	.88	77.9	81.8	ENE	0.3					
1 a. m.	.838	.006	77.0	75.0	2.0	74.2	.91	77.1	81.8	„	0.1					
2 „	.820	28.981	76.4	75.0	1.4	74.4	.94	77.1	81.8	„	0.1					
3 „	.814	29.013	76.2	74.0	2.2	73.0	.91	77.0	81.8	„	0.2					
4 „	.810	28.969	76.2	75.0	1.2	74.5	.95	77.0	81.8	„	0.1					
5 „	.812	29.017	75.6	73.6	2.0	72.8	.91	76.6	81.7	„	0.1					
6 „	.842	.042	75.8	73.8	2.0	73.0	.91	77.0	81.7	„	0.1					
7 „	.882	·074	77.5	74.5	3.0	73.3	.87	78.0	81.7	„	0.1					
8 „	·891	.081	79.0	75.0	4.0	73.3	.84	78.6	81.6	„	0.1					
9 „	.903	.104	80.0	75.0	5.0	73.0	.80	79.7	81.5	„	0.3					
10 „	.901	.113	81.0	75.0	6.0	72.5	·76	80.1	81.5	„	0.1					
11 „	·875	·134	82.8	74.3	8.5	70.6	.68	80.6	81.5	„	0.1				None.	
Noon.	.850	.056	84.0	76.0	8.0	72.8	.70	81·6	81.6	„	0.1					
1 p. m.	.826	28.979	84.6	77.5	7.1	74.7	.73	82.0	81.6	„	0.3					
2 „	.802	.978	84.8	77.0	7.8	73.9	.71	82.5	81.7	N	0.4					
3 „	.788	.988	84.2	76.2	8.0	73.0	.70	82.5	81.7	NW b N	0.5					
4 „	.792	.921	84.2	78.0	6.2	75.6	.76	82.3	81.7	NW	0.4					
5 „	.814	.970	83.0	77.0	6.0	74.6	.77	81.8	81.7	„	0.4					
6 „	.823	.917	81.0	78.0	3.0	76.8	.88	81.0	81.7	„	0.3					
7 „	.837	.960	80.0	77.0	3.0	75.8	.88	80.7	81.7	„	0.2					
8 „	.867	.979	79.0	77·0	2.0	76.2	.92	80.0	81.8	„	0.2					
9 „	.869	29.003	78.2	76.5	2.7	75·4	.89	80.0	81.8	„	0.0					
10 „	.869	28.998	78.8	76.5	2.3	75·6	.90	79·7	81.8	„	0.0					
11 „	.858	.996	77.8	76.0	1.8	75.3	.92	79.0	81.8	„	0.0	—	+	2		0·05

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌣i cirri; ⌣⌣i cirro-cumuli; ⌒i cumuli; ⌣⌣i cirro-strati; ⌒⌣i cumulo-strati; and ⌣⌣i nimbi.	
7	C	⌣⌣i and ⌣⌣i scattered about, moving W.	
7	R	" "	
7	R	⌒i along E hor.; ⌣⌣i and ⌣⌣i scattered throughout, the former moving W.	
4	R	⌒i along E hor.; ⌣⌣i around hor.; ⌣⌣i scattered about.	
4	R	Clouded as before; thunder in ENE at 4h. 17m.	
7	H	⌣⌣i and ⌣⌣i scattered about, the former moving W; lightning and thunder in E after 5h. 40m.; rain commenced at [5h. 30m.	
8	H	Overcast with ⌣⌣i, moving SW; lightning and thunder in NE hor.; raining.	
8	H	Overcast; lightning and thunder in NE hor.; raining.	
8	H	Overcast; lightning and thunder in NE hor.; rain ceased at 8h. 20m.	
8	C	Overcast; lightning along E hor. at intervals of 26s.	
8	C	Overcast; lightning in E hor. in every 1½m. interval.	
8	C	Overcast; lightning in E hor.	
8	C	Overcast with ⌣⌣i, moving SW; a partial lunar-halo observed at 0h. 50m.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 83°5. This was the 35th day on which lightning was observed after sunset.
7	R	⌣⌣i around hor., moving SW; ⌣i and ⌣⌣i scattered throughout.	
7	R	A few masses of ⌣⌣i around hor.; ⌣i and ⌣⌣i scattered throughout.	
7	H	" " "	
5	H	⌣i and ⌣⌣i scattered throughout; dew falling.	
6	C	" "	
5	C	A few masses of ⌣⌣i along E hor.; ⌣i and ⌣⌣i scattered throughout.	
4	R	⌣⌣i around hor.; ⌣i scattered throughout.	
5	R	⌣⌣i scattered about.	
7	H	" "	
8	H	⌣⌣i and ⌣⌣i scattered throughout.	
7	C	" "	
7	C	" "	
7	R	" "	
5	R	⌒i along E hor.; ⌣⌣i scattered about.	
3	H	" "	
6	H	⌣⌣i and ⌣⌣i scattered throughout.	
7	C	Clouded as before; strong breezes of wind from NE after 5h. 34m.	
7	C	⌒i along E hor.; ⌣⌣i scattered about, moving SW; lightning in NE hor. after 6h. 17m.; fresh breezes of wind.	
5	N	Clouded as before; lightning in SE hor.; fresh breezes of wind.	
7	N	⌣⌣i scattered throughout, moving SSW.	
7	H	" "	
4	H	⌣⌣i scattered about, moving SW.	
4	C	" "	
4	C	⌣⌣i and ⌣i scattered about, the former moving SW.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 83°5. This was the 36th day on which lightning was observed after sunset.
3	R	⌣⌣i along W hor.; ⌣i scattered about; dew falling.	
1	R	⌣⌣i along E hor.; ⌣i scattered here and there; dew falling.	
2	R	" " "	
2	R	" " "	
2	H	" " "	
1	H	A few patches of ⌣⌣i in NE hor.; haze and mist in hor.	
1	H	" " "	
0	H	A few patches of ⌣⌣i in ESE hor.; mist and haze in hor.	
0	C	A few patches of ⌣⌣i in ESE hor.; mist along W hor.	
0	C	A few pieces of ⌣⌣i along E hor.; mist in W hor.	
0	C	A few pieces of ⌣⌣i along E hor.	
1	C	⌒i along E hor.; a few ⌣i and ⌣⌣i above SE hor.	
1	R	⌒i along E hor.; a few ⌣i above E hor.	
1	R	⌒i along E hor.; a few ⌣i above S hor.	
2	R	⌒i along E hor.; ⌣i scattered around hor.	
2	R.	" "	
2	H	⌒i along E hor.; ⌣i in the rest of hor.	
2	H	⌣⌣i along W hor.; ⌣i scattered here and there; lightning in ESE hor., at intervals of 1h. 27m.	
2	H	⌒i along E hor.; lightning in E hor. in every 4m.	
2	H	Clouded as before; lightning in E hor., at intervals of 9m.	
1	C	⌒i along E hor.; lightning in NE hor.; dew falling.	
1	C	⌒i along E hor.; a few ⌣i in N and W hor.; dew falling.	
0	C	A few ⌣i in E hor.; dew falling.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 26th-Midnight	29.845	28.991	77°6	76°0	1°6	75°4	0.93	79°0	81.8	NW	0.0					
1 a. m.	.831	.932	78.0	77.0	1.0	76.6	.96	78.7	81.8	„	0.0					
2 „	.819	.936	77.7	76.5	1.2	76.0	.95	78.5	81.8	„	0.0					
3 „	.819	.948	77.0	76.0	1.0	75.6	.96	78.0	81.8	„	0.0					
4 „	.830	.957	76.8	76.0	0.8	75.7	.97	77.7	81.8	„	0.0					
5 „	.841	.977	76.6	75.6	1.0	75.4	.96	77.7	81.7	„	0.0					
6 „	.871	29.007	76.6	75.6	1.0	75.4	.96	77.7	81.7	„	0.0					
7 „	.888	.016	77.8	76.2	1.6	75.6	.93	78.2	81.6	„	0.1		+	2		Above 10m.
8 „	.900	.023	80.0	77.0	3.0	75.8	.88	79.5	81.6	„	0.1		+	1		Above 10m.
9 „	.913	28.996	81.5	78.4	3.1	77.2	.87	80.6	81.7	„	0.1	None.	+	1	None.	Above 10m.
10 „	.908	29.015	82.2	78.0	4.2	76.4	.83	81.1	81.7	NW b N	0.1		+	1		Above 10m.
11 „	.876	.013	83.4	77.6	5.8	75.3	.77	81.8	81.8	„	0.0					
Noon.	.849	28.958	85.4	78.8	6.6	76.3	.75	82.8	81.8	„	0.1					
1 p. m.	.819	.919	85.4	79.0	6.4	76.6	.76	83.0	82.0	„	0.4					
2 „	.799	.866	86.2	80.0	6.2	77.8	.77	83.7	82.0	„	0.5					
3 „	.791	.867	85.6	79.7	5.9	77.5	.78	83.6	82.1	NW	0.6					
4 „	.795	.875	85.5	79.5	6.0	77.3	.77	83.5	82.2	„	0.6					
5 „	.802	.887	84.0	79.0	5.0	77.2	.81	82.9	82.2	„	0.4					
6 „	.824	.927	82.3	78.6	3.7	77.2	.85	82.0	82.2	„	0.4					
7 „	.842	.901	81.6	79.0	2.6	78.0	.89	81.6	82.2	„	0.1					
8 „	.870	.962	80.8	78.0	2.8	76.9	.89	81.1	82.2	„	0.1					
9 „	.872	.957	80.2	78.0	2.2	77.2	.91	80.6	82.2	„	0.0					
10 „	.870	29.024	79.3	76.0	3.3	74.7	.86	80.0	82.2	NNW	0.1					
11 „	.859	.032	78.2	75.2	3.0	74.0	.87	79.4	82.2	„	0.0					
Oct. 28th-Midnight	.839	28.964	79.4	76.8	2.6	75.8	.89	80.0	82.4	ENE	0.2					
1 a. m.	.829	.980	79.0	76.0	3.0	74.8	.88	79.5	82.4	„	0.0					
2 „	.825	.937	79.0	77.0	3.0	76.2	.92	79.4	82.3	„	0.0					
3 „	.821	.968	78.5	76.0	2.5	75.0	.90	79.0	82.3	„	0.2					
4 „	.822	.962	78.0	76.0	2.0	75.2	.92	78.5	82.3	„	0.4					
5 „	.829	.969	78.0	76.0	2.0	75.2	.92	78.5	82.3	„	0.2					
6 „	.847	29.007	77.7	75.4	2.3	74.5	.90	78.4	82.1	„	0.2					
7 „	.869	.028	78.7	75.7	3.0	74.5	.88	79.0	82.0	„	0.2					
8 „	.889	.027	80.0	76.6	3.4	75.3	.86	80.0	82.0	„	0.1					
9 „	.905	.045	81.5	77.0	4.5	75.2	.82	80.8	82.0	„	0.1					
10 „	.895	.029	82.7	77.5	5.2	75.4	.80	81.5	82.1	„	0.0					
11 „	.868	.143	84.7	74.4	10.3	69.9	.63	82.1	82.1	„	0.0	None.				
Noon.	.843	.179	87.4	73.6	13.8	67.2	.54	82.9	82.1	„	0.0					
1 p. m.	.816	.001	90.0	78.2	11.8	73.5	.60	85.3	82.2	NE b E	0.2					
2 „	.802	28.944	89.2	79.0	10.2	75.1	.64	85.2	82.3	„	0.3					
3 „	.794	.929	88.5	79.0	9.5	75.4	.67	85.5	82.3	NW b N	0.5					
4 „	.799	.946	87.8	78.5	9.3	75.0	.67	85.2	82.5	„	0.5					
5 „	.807	.914	86.0	79.0	7.0	76.4	.74	84.6	82.5	„	0.4					
6 „	.819	.986	84.0	77.0	7.0	74.2	.71	83.0	82.5	„	0.5					
7 „	.838	.954	83.0	78.0	5.0	76.1	.80	82.7	82.5	„	0.5					
8 „	.851	.937	82.6	78.6	4.0	77.1	.84	82.3	82.6	„	0.4					
9 „	.856	.971	81.6	77.6	4.0	76.1	.84	81.7	82.6	„	0.1		+	3		0.44
10 „	.861	29.062	80.0	75.0	5.0	73.0	.80	80.8	82.6	„	0.0		+	7	6	0.12
11 „	.853	.016	79.6	76.0	3.6	74.6	.85	80.0	82.6	„	0.0		+	5	4	1.14
Oct. 29th-Midnight	.853	.028	79.0	75.4	3.6	73.9	.85	79.7	82.5	NW b N	0.0		+	2		0.17
1 a. m.	.837	28.932	79.6	77.6	2.0	76.8	.92	79.9	82.5	„	0.0		+	1		0.20
2 „	.825	.941	79.4	77.0	2.4	76.1	.90	79.8	82.5	N	0.0		+	1		Above 10m.
3 „	.826	.936	78.8	77.0	1.8	76.3	.92	79.6	82.5	„	0.3					
4 „	.827	.967	78.0	76.0	2.0	75.2	.92	79.0	82.5	NW b N	0.3					
5 „	.830	29.018	77.4	74.6	2.8	73.4	.88	78.6	82.5	„	0.2					
6 „	.858	.042	76.4	74.4	2.0	73.6	.91	78.0	82.4	„	0.1	None.			None.	
7 „	.885	.083	77.7	74.4	3.3	73.0	.86	78.2	82.3	NNW	0.3					
8 „	.908	.114	79.8	74.8	5.0	72.8	.80	79.0	82.2	„	0.3					
9 „	.935	.079	80.7	76.4	4.3	74.7	.83	80.0	82.3	„	0.2					
10 „	.918	.071	82.7	77.0	5.7	74.7	.78	81.1	82.3	„	0.1					
11 „	.899	.148	84.4	75.0	9.4	71.0	.65	82.0	82.3	N b W	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
0	C	A few ≀ in E hor.; dew falling	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 83°5. This was the 37th day on which lightning was observed after sunset.
0	R	" "	
0	R	" "	
1	R	≀ scattered about hor.; dew falling.	
1	R	" "	
1	H	" "	
1	H	≀ scattered about hor.; mist and haze in hor.	
1	H	≀ along S hor.; ≀ scattered along E hor.; mist and haze in hor.	
2	H	A few ≀ in S hor.; ≀ scattered here and there; mist and haze in hor.	
1	C	≀ along E hor.; ≀ scattered about; mist along W hor.	
1	C	≀ scattered along E hor.; mist in W hor.	
1	C	≀ along E hor.; a few patches of ≀ in S and NW hor.; mist in W hor.	
1	C	Clouded as before, but no mist visible in W.	
2	R	≀ along E hor.; a few ≀ in E and S hor.	
2	R	" "	
2	R	≀ scattered along E and N hor.; a few ≀ in E and W hor.	
2	R	" " "	
1	C	≀ and ≀ scattered along E hor.	
1	C	≀ along E hor.; lightning in E and NE hor. after 6h. 4m.	
1	C	≀ along E hor.; lightning in E in every 10 seconds interval.	
2	C	≀ scattered about hor.; lightning in NNE at intervals of 1m. 10s.; dew falling.	
2	C	≀ scattered about hor.; lightning in N hor., at intervals of 8s.; dew falling.	
1	C	≀ scattered along E hor.; lightning in N hor., at intervals of more than 5m.	
1	C	≀ scattered along E hor.; lightning in N hor. occasionally observed.	
2	C	≀ scattered along E hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 83°7. At 1 P. M. the temperature of air was 90°0, highest during the month.
4	R	≀ scattered about.	
6	R	" "	
6	R	≀ scattered about; dew falling.	
4	R	" "	
4	H	" "	
6	H	≀ scattered about; mist around hor.	
6	H	" "	
7	H	" "	
7	C	" "	
6	C	≀ scattered about.	
2	C	≀ scattered about hor.	
1	C	≀ scattered along E hor.	
1	R	" "	
1	R	≀ scattered about E and S hor.	
1	R	≀ scattered about hor.	
1	R	" "	
1	H	" "	
0	H	A few pieces of ≀ in hor.	
0	H	" "	
0	H	" "	
0	C	Cloudless; dew falling.	
0	C	" "	
0	C	" "	
0	C	≀ scattered about, moving SSE; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°9 and 83°8.
0	R	" "	
0	R	" "	
0	R	≀ scattered about, moving SE; dew falling.	
0	R	Overcast with ≀, moving SE; a few stars dimly visible.	
0	H	≀ scattered throughout, moving SE; dew falling.	
0	H	≀ scattered about, moving SE; mist and fog in hor.	
0	H	" " "	
0	H	A few patches of ≀ along E hor.; mist along W hor.	
0	C	Mist around hor.	
0	C	" "	
0	C	A few patches of ≀ along E hor.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 29th–Noon.	29.875	29.057	86°5	77°3	9°2	73°6	0.67	83°2	82°4	N b W	0.2					
1 p. m.	.853	.057	86.6	76.8	9.8	72.8	.65	83.8	82.5	NNW	0.3					
2 „	.827	.012	87.5	77.5	10.0	73.5	.65	84.5	82.5	„	0.4					
3 „	.822	28.996	87.9	77.9	10.0	74.0	.65	85.0	82.5	NW b N	0.2					
4 „	.824	.946	87.4	79.0	8.4	75.9	.69	85.0	82.5	„	0.4					
5 „	.845	.961	85.7	78.7	7.0	76.1	.74	84.0	82.5	„	0.3	None.				
6 „	.849	.932	83.8	79.0	4.8	77.2	.81	83.4	82.5	„	0.2					
7 „	.871	.944	82.9	79.0	3.9	77.6	.85	82.9	82.5	„	0.2					
8 „	.882	.945	82.0	79.0	3.0	77.9	.88	82.0	82.6	„	0.f					
9 „	.888	29.030	80.7	76.7	4.0	75.1	.84	81.1	82.7	„	0.0					
10 „	.882	.052	80.0	75.8	4.2	74.1	.83	80.4	82.7	„	0.0		+	7	7	0.18
11 „	.866	.024	79.6	76.0	3.6	74.6	.85	80.1	82.7	„	0.0		+	3	3	0.32
Oct. 30th–Midnight	.860	.013	79.2	76.0	3.2	74.7	.87	79.9	82.7	NW b N	0.0		+	1		
1 a. m.	.852	28.968	79.4	77.0	2.4	76.1	.90	79.9	82.7	„	0.0					
2 „	.837	.949	79.0	77.0	2.0	76.2	.92	79.9	82.7	„	0.0					
3 „	.831	.941	78.8	77.0	1.8	76.3	.92	79.6	82.7	„	0.0					
4 „	.845	.950	78.4	77.0	1.4	76.5	.94	79.2	82.6	„	0.2					
5 „	.857	29.012	76.8	75.3	1.5	74.7	.94	78.8	82.5	„	0.3		+	3		0·10
6 „	.875	.051	76.7	74.7	2.0	73.9	.91	78.0	82.4	„	0.2		+	2		1.15
7 „	.891	.028	79.5	76.5	3.0	75.3	.88	79.6	82.4	„	0.1		+	1		Above 10m.
8 „	.913	.053	80.6	76.6	4.0	75.0	.84	80.2	82.4	„	0.1		+	1		Above 10m.
9 „	.929	.071	82.1	77.1	5.0	75.1	.80	81.0	82.4	„	0.2					
10 „	.916	.086	83.5	76.8	6.7	74.1	.74	81.6	82.5	N	0.1					
11 „	.887	.054	84.0	77.0	7.0	74.2	.73	82.0	82.5	„	0.1	None.			None.	
Noon.	.864	28.988	86.8	78.8	8.0	75.8	.71	83.5	82.6	„	0.0					
1 p. m.	.828	.994	87.5	78.0	9.5	74.3	.66	84.0	82.6	„	0.1					
2 „	.806	.977	88.0	78.0	10.0	74.1	.65	85.0	82.6	„	0.3					
3 „	.789	.960	88.0	78.0	10.0	74.1	.65	85.0	82.7	N b W	0.5					
4 „	.791	.946	87.3	78.2	9.1	75.4	.67	85.0	82.7	NNW	0.5					
5 „	.807	.937	85.8	78.4	7.4	75.6	.73	84.4	82.7	„	0.4					
6 „	.819	.904	84.0	79.0	5.0	77.2	.81	83.0	82.7	NW b W	0.3					
7 „	.836	.932	83.0	78.6	4.4	77.1	.83	82.7	82.7	„	0.4					
8 „	.851	.960	82.4	78.0	4.4	76.3	.83	82.4	82.8	„	0.3					
9 „	.859	.957	81.4	78.0	3.4	76.7	.86	81.8	82.9	„	0.3					
10 „	.856	.980	80.8	77.2	3.6	75.8	.85	81.0	82.9	„	0.1					
11 „	.844	.975	79.7	76.7	3.0	75.5	.88	80.3	82.9	„	0.1					
Oct. 31st–Midnight	.831	.993	78.6	75.6	3.0	74.4	.88	79.6	82.8	NW b N	0.0					
1 a. m.	.819	.963	78.4	76.0	2.4	75.1	.90	79.1	82.8	„	0.0		+	3		Instantly.
2 „	.805	.986	78.2	75.0	3.2	73.7	.87	78.0	82.8	„	0.6					
3 „	.793	29.045	77.8	73.0	4.8	70.9	.80	78.6	82.8	„	0.5					
4 „	.795	.040	77.2	73.0	4.2	71.2	.82	78.0	82.7	„	0.6					
5 „	.810	.016	77.0	74.0	3.0	72.8	.87	77.9	82.7	„	0.5					
6 „	.837	.067	76.5	73.2	3.3	71.8	.76	77.5	82.6	„	0.4					
7 „	.867	.054	77.7	74.7	3.0	73.5	.87	78.0	82.6	„	0.2					
8 „	.879	.181	79.0	72.0	7.0	68.7	.72	79.0	82.5	„	0.1					
9 „	.895	.180	81.2	73.1	8.1	69.5	.69	80.0	82.5	„	0.2					
10 „	.881	.154	82.4	73.8	8.6	70.0	.67	80.9	82.5	„	0.0					
11 „	.855	.139	84.2	74.0	10.2	69.5	.63	81.8	82.5	„	0.0					
Noon.	.827	.197	86.9	72.5	14.4	65.6	.51	83.0	82.5	„	0.0	None.				
1 p. m.	.797	.005	89.6	77.5	12.1	72.7	.59	85.1	82.5	„	0.3					
2 „	.770	28.996	89.4	77.0	12.4	71.9	.57	85.3	82.5	„	0.5					
3 „	.756	29.006	88.0	76.0	12.0	71.0	.58	85.0	82.6	„	0.7					
4 „	.759	.036	86.9	75.0	11.9	69.8	.58	84.5	82.6	„	0.8					
5 „	.768	.063	83.8	73.6	10.2	69.0	.63	83.2	82.6	„	0.8					
6 „	.781	.083	82.4	73.0	9.4	68.7	.65	82.8	82.6	NNW	1.0					
7 „	.803	.069	81.8	73.8	8.0	70.3	.69	81.5	82.6	N b W	0.6					
8 „	.814	.225	80.5	72.5	8.0	68.8	.69	80.6	82.6	„	0.3					
9 „	.831	.204	79.0	70.0	9.0	65.4	.65	79.5	82.6	„	0.0		+	3		0.26
10 „	.830	.157	78.0	71.0	7.0	67.6	.72	78.6	82.6	„	0.0		+	8	7	0.42
11 „	.815	.093	77.5	72.2	5.3	69.8	.78	78.0	82.5	„	0.0		+	4		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
0	C	scattered along E hor.	
0	R	" "	
2	R	scattered about hor.	
2	R	" "	
2	R	" "	
2	H	" "	
2	H	A few patches of along S hor.	
0	H	Clear, except in hor.	
1	H	" "	
3	C	scattered about hor.	
4	C	scattered about hor.; dew falling.	
8	C	scattered about; dew falling.	
6	C	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 83°8.
6	R	" "	
6	R	" "	
6	R	" "	
8	R	" "	
7	H	" "	
4	H	Mist and fog around hor.	
3	H	" "	
1	H	" "	
0	C	" "	
0	C	" "	
0	C	" "	
1	C	Cloudless.	
1	R	"	
2	R	scattered about hor.	
2	R	" "	
2	R	" "	
2	H	" "	
1	H	" "	
0	H	A few patches of in hor.; dew falling.	
0	H	scattered along NE hor.; dew falling	
1	C	scattered about, moving SE.	
1	C	" "	
3	C	Overcast with ; a few stars visible in W and NW.	
3	C	scattered about; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 83°7.
6	R	" "	
4	R	scattered about hor.; dew falling.	
1	R	scattered around hor.	
1	R	" "	
3	H	scattered about.	
3	H	scattered about; mist and fog in hor.	
2	H	scattered about hor.; mist and fog in hor.	
0	H	A few patches of along E hor.; mist and fog in hor.	
0	C	Mist and fog in hor.	
0	C	" "	
0	C	A few patches of above SE hor.	
0	C	A few patches of above E and SE hor.	
0	R	" "	
2	R	scattered about hor.	
1	R	" "	
1	R	" "	
2	H	scattered about hor.	
5	H	scattered about, moving SW.	
2	H	scattered about E hor.	
0	H	Cloudless.	
0	C	"	
0	C	"	
0	C	Cloudless; dew falling.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 Inch in the Ground.	Ground Thermometers. Thermometer 9 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 1st-Midnight	29.804	29.091	77°0	71°8	5°2	69°4	0·78	78°0	82°4	NNW	0.0		+	22	20	0.27
1 a. m.	.790	·112	77·5	71.0	6.5	67.8	.74	77.9	82.4	„	0.0					
2 „	.777	.101	77.7	71.0	6.7	67.8	.73	77.8	82.3	„	0.5					
3 „	.777	.093	77.0	71·0	6.0	68.1	.75	77.5	82.3	„	0.0					
4 „	.774	·082	76.3	71.0	5.3	68.5	.78	77.0	82.2	„	0.0					
5 „	.791	·103	75.7	70.7	5.0	68.3	.79	76.7	82.2	„	0.0					
6 „	.810	·122	75.7	70.7	5.0	68.3	.79	76.7	82.1	N b W	0·1		+	2		Above 10m.
7 „	.834	.150	77.0	71.0	6.0	68.1	.75	77.2	81.9	„	0.1		+	1		Above 10m.
8 „	.859	·137	78.5	72.5	6.0	69.8	.76	78.0	81.9	N	0.3					
9 „	.874	.189	80.2	72.0	8.2	68.1	.68	79.2	81.8	NNE	0.6					
10 „	.870	.175	82.6	73.0	9.6	68.6	.64	81·0	81.9	NE	0.5	None.				
11 „	.851	·143	85.2	74.1	11.1	69.2	.60	82.9	81.9	NE b E	0.4					
Noon.	.826	·105	87.1	75.0	12.1	69.7	.58	84.0	82.0	„	0.4					
1 p. m.	.801	·144	88.6	73.6	15.0	66.9	.50	85.1	82·0	NE	0·6					
2 „	.783	.222	89.8	71.5	18.3	62.1	.41	86.0	82.1	„	0.5					
3 „	·770	.228	89.8	71.0	18.8	61.0	.40	86.0	82.2	„	0.2					
4 „	·780	.233	89·4	71.0	18.4	61.3	.41	85.7	82.3	„	0.1		+	1		Above 10m.
5 „	.787	.198	86.2	71.2	15.0	63.5	.48	84.6	82.3	N	0.1		+	2		Above 10m.
6 „	.801	.163	82.4	71.4	11.0	66.0	.59	84.0	82.3	NNW	0.7		+	1		Above 10m.
7 „	.823	·178	81.2	71.2	10.0	66.3	.62	81.5	82.3	NW b N	0.4		+	1		Above 10m.
8 „	.845	.116	80.2	73.2	7.0	70.1	.72	80.5	82.3	„	0.3		+	1		Above 10m.
9 „	·855	·006	79.4	75.4	4.0	73.8	.84	80.0	82.3	„	0.2					
10 „	·864	.114	77.6	73.0	4.6	71.0	.82	79.0	82.3	„	0.1					
11 „	.849	.092	77.0	73.0	4.0	71.2	.83	78.5	82.3	„	0.1					
Nov. 4th-Midnight	.837	.038	77.2	74.2	3.0	73.0	.87	78.0	81.3	N	0.0		+	3		0.15
1 a. m.	.825	.132	76.2	71.0	5.2	68·5	.78	77.2	81.3	„	0.2					
2 „	.808	.121	75.4	70.6	4.8	68.2	.79	76·3	81.2	N b W	0.1		+	1		0.43
3 „	.809	.117	75.0	70.6	4.4	68.5	.81	75.9	81.2	N	0.1		+	1		1.07
4 „	.803	.176	72.9	68·0	4.9	65.4	.79	74.7	81.1	„	0.1					
5 „	.799	.100	74.0	70.5	3.5	68.8	.85	75.2	81.1	„	0.0					
6 „	.810	.124	73.6	70.0	3.6	68.2	.84	74.7	80.9	„	0.3					
7 „	.837	.171	74.2	69.6	4.6	67.3	.80	75.0	80.8	N b E	0.1		+	5	5	3.10
8 „	.852	.219	75.4	69.0	6.4	65.7	.73	75.7	80.7	„	0.1					
9 „	.865	.233	78.5	70.0	8.5	65.7	.67	77.6	80.6	NNE	0.1					
10 „	.850	.264	80.2	69.2	11.0	63.4	.58	79.0	80.6	„	0.2					
11 „	.833	.325	82.7	67.7	15.0	59.1	.47	80.5	80.6	„	0.1	None.				
Noon.	.795	.314	86.0	68.0	18.0	57.5	.40	82.5	80.7	„	0.2					
1 p. m.	.770	.249	88.8	70.1	18.7	59.9	.40	84.1	80.9	N	0.1					
2 „	.744	.086	85.9	73.0	12.9	66.9	.55	83.0	81.0	N b W	0.3					
3 „	.740	28.994	84.2	74.8	9.4	70.8	.65	82.3	81.0	NNW	0.3					
4 „	.738	29.016	82.2	73.6	8.6	69.8	.67	81.4	81.1	„	0.1					
5 „	.747	.023	81.0	73.3	7.7	69.9	.70	80.5	81.1	„	0.1					
6 „	.758	28.986	79.0	74.0	5.0	71.8	.80	79.5	81.2	„	0.2		+	2		2.10
7 „	.789	29·043	78.0	73.0	5.0	70.8	.79	78.6	81.2	„	0.1		+	1		1.10
8 „	.815	.041	77.8	73.7	4.1	71.9	.83	78.3	81.2	„	0·3		+	3		0·30
9 „	.816	.059	77.0	73.0	4.0	71.2	.83	78.0	81.2	„	0.2		+	2		0.30
10 „	.806	.028	76.4	73.4	3.0	72.1	.87	77.4	81.2	„	0.1		+	9	8	0.05
11 „	.794	.088	75.0	71.0	4.0	70.4	·83	76.0	81.1	ENE	0.3		+	10	10	0.04
Nov. 5th-Midnight	.789	.059	75.4	71.8	3.6	70.1	.84	76.2	81.0	ENE	0.2		+	20	20	0.05
1 a. m.	.778	.038	75.2	72.0	3.2	70.5	.86	76.3	81.0	„	0.1		+	3		0.18
2 „	.768	.060	74.8	71.0	3.8	69.2	·84	76·0	81.0	E	0.3		+	4		0.12
3 „	.763	.101	74.3	69.5	4.8	67.1	.79	75.6	81·0	„	0.4		+	3		0.15
4 „	.769	.109	73.6	69.2	4.4	67·1	.81	75.0	80.9	„	0·4			0		
5 „	.784	.091	73.0	70.0	3.0	68.5	.87	74.7	80.8	ENE	0.1	None.	+	1		0.30
6 „	.802	.114	72.8	69.8	3.0	68.3	.87	74.5	80.6	NE	0.5		+	1		0.30
7 „	.820	.198	73.4	68.0	5.4	65.2	.77	74·5	80.5	„	0.3			0		
8 „	.836	.141	76.0	71.0	5.0	68.6	·79	75.9	80.6	„	0.3		+	2		0.50
9 „	.853	.149	77.8	71.8	6.0	69.0	.76	77.1	80.6	„	0.2		+	2		0.30
10 „	.843	.188	79.6	71.0	8.6	66.8	.67	78.5	80.6	„	0.2		+	2		1.10
11 „	.816	.223	82.0	70.0	12.0	63.8	.56	80.0	80.7	NNE	0.1		+	1		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ≀∩ nimbi.	Remarks.
0	C	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 83°7. This was the 8th day on which a few clouds were visible in hor. At 2 and 3 P. M. the temperature of free air was 89°8, greatest during the month, and about 3°9 greater than the normal mean.
0	R	" "	
0	R	" "	
0	R	" "	
0	R	" "	
0	H	" "	
0	H	Mist and fog in hor.	
0	H	" "	
0	H	" "	
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	R	"	
0	R	"	
0	R	"	
0	R	A few ≀ scattered about.	
0	H	" "	
0	H	Cloudless.	
0	H	"	
0	H	"	
0	H	Cloudless; dew falling.	
0	H	" "	
0	H	" "	
0	H	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 83°3.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	A few ≀ in E hor.; dew falling.	
3	R	≀ scattered about hor.	
5	R	≀ scattered about; mist and fog in hor.	
6	R	" "	
6	H	" "	
6	H	" "	
5	H	≀ scattered about hor.	
5	H	" "	
5	C	≀ scattered about.	
6	C	" "	
7	C	" "	
7	C	" "	
5	R	" "	
3	R	≀ scattered about.	
1	R	≀ scattered about hor.	
0	R	Cloudless.	
0	H	Cloudless; dew falling.	
0	H	" "	
0	H	" "	
0	H	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°1 and 83°3.
0	C	" "	
1	C	≀ scattered along E hor.; dew falling.	
1	C	" "	
1	C	≀ scattered above E hor.; dew falling.	
1	R	" "	
3	R	≀ scattered about; dew falling.	
3	R	≀ scattered about; mist and fog in hor.	
2	R	" "	
4	H	" "	
4	H	≀ scattered about hor.; mist along W hor.	
4	H	≀ scattered about hor.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 Inch in the Ground.	Ground Thermometers. Thermometer 9 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straw of Volta 1.	Electrical Instruments. Readings of Straw of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of insulation after discharge.
	in.	in.	°	°	°	°		°	°		lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 5th-Noon.	29.787	29.298	85·4	68·0	17·4	58·0	0.41	82·0	80·8	N	0.1		+	0		
1 p. m.	.751	.010	88.8	76.0	12.8	60.6	.56	83.8	80.8	NE b N	0.2		+	7	7	0.54
2 „	.725	.022	86.3	74.3	12.0	69.0	.57	82.9	80.9	„	0.3			0		
3 „	.713	28.972	85.3	75.0	10.3	70.6	.63	82.8	81.0	N	0.4			0		
4 „	.714	.981	84.1	74.5	9.6	70.2	.65	82.1	81.0	NW b N	0.3		+	3		1 04
5 „	.727	.966	81.4	74·4	7.0	71.4	.73	81.0	81.0	„	0.5	None.	+	10		1.10
6 „	.744	.938	79.4	75.0	4.4	73.2	.82	79.7	81.0	„	0.7		+	6		0.40
7 „	.761	.961	78.2	74.5	3.7	73.0	.85	79.0	81.0	„	0.5		+	7		0.10
8 „	.780	.957	77.8	75.0	2.8	73.8	.88	7 5	81.0	„	0.4		+	4		0.30
9 „	.783	.978	77.4	74.4	3.0	73·2	.87	78·0	81.0	„	0.1			4		0.25
10 „	.782	.985	76.7	74.0	2.7	72.9	.89	77.6	81.0	„	0.1		+	7	7	0.14
11 „	.773	29.031	75.0	72.0	3.0	70.6	.87	76.2	81.0	„	0.2		+	10	10	0.10
Nov. 6th-Midnight	.764	.012	75.4	72.4	3.0	71.0	.87	76.4	81.0	NW b N	0.0		+	10	8	0.15
1 a. m.	.744	28.965	75.0	73.0	2.0	72.1	.91	76.2	81.0	„	0.0		+	10	8	0.07
2 „	.739	29.020	73.8	71·0	2.8	69.7	.88	75.5	80·9	„	0.0		+	3		0.11
3 „	.738	.049	73.4	70.0	3.4	68.3	.85	75.0	80·8	„	0.0		+	3		0.16
4 „	.742	.083	73.0	69.0	4.0	67.0	.82	74.5	80·7	„	0.1		+	2		0.06
5 „	.755	.057	72.5	70.0	2.5	68.7	.89	74.0	80.6	„	0.5		+	1		0·20
6 „	.780	.128	72.4	68·6	3.8	66.6	.83	74.0	80.5	NNW	0.3					
7 „	.807	·177	72.6	68.0	4.6	65.6	.80	74.0	80.5	N	0.5					
8 „	.828	.164	75.6	70.0	5.6	67.2	.77	75.7	80.5	N bE	0.6		+	4		1·00
9 „	.835	.204	77.0	69.5	7.5	65·6	.70	76.5	80.5	NNE	0.5		+	1		1.10
10 „	.832	.193	79.5	70.5	9.0	65.5	.65	78.0	80.5	NE b N	0.4		+	1		Above 10m.
11 „	.800	.172	82.0	71.0	11.0	65.5	·59	80.0	80.5	„	0.3	None.				
Noon.	.767	.196	84.0	70.0	14.0	62.6	.50	81.6	80.5	NNE	0.3					
1 p. m.	.743	.205	87·0	70.0	17.0	60.8	.43	83.1	80.6	„	0.1	None.				
2 „	.725	.147	86.5	71.0	15.5	63.0	.48	83.1	80.7	„	0·0					
3 „	.717	.158	85.2	72.8	12.4	67.0	.56	82.4	80.7	„	0.0					
4 „	.720	28.930	84.4	76.0	8.4	72.6	.69	82.3	80.7	NNW	0.3					
5 „	.730	.925	81.6	75.6	6.0	73.2	.77	81.0	80.7	„	0.3					
6 „	.752	.980	79.0	74.0	5.0	71.8	.80	79.7	80.8	„	0.5					
7 „	.761	.967	78.8	74.5	4 3	72.8	.82	79.0	80.8	NW b N	0.6		+	8	8	0·15
8 „	.779	.977	78.0	74.5	3 5	73.0	.85	78.8	80·9	„	0.3		+	7	7	0.40
9 „	.777	.959	77.9	74.9	3.0	73.6	.87	78.5	80.8	„	0·1		+	5	4	0.10
10 „	.775	29.044	76.0	72.0	4.0	70.2	.83	77.9	80.8	„	0.1		+	20	18	0.05
11 „	.765	.059	75.0	71.0	4.0	69.1	.83	76.3	80.8	„	0.1		+	10	8	0.10
Nov. 7th-Midnight	.754	.033	75.6	71.6	4.0	69.7	.83	76.8	80.8	NW b N	0.0		+	20	18	0.05
1 a. m.	.746	.037	74.7	71.0	3.7	69.2	·84	76.0	80.7	„	0.0		+	3		0.11
2 „	.747	.062	74.7	70.3	4.4	68.2	.81	75·8	80.6	„	0.3		+	9	8	0.27
3 „	.746	.127	73.6	68.0	5·6	65.1	.76	74.9	80.5	„	0.2		+	4		2.45
4 „	.755	.151	73.2	67·4	5.8	64.3	.75	74.3	80·5	NNW	0.1		+	1		Above 10m.
5 „	.769	.174	72.8	67.0	5.8	63.9	.75	74.0	80.5	„	0.5		+	1		Above 10m.
6 „	.780	.176	72.0	67.0	5.0	64.3	.78	73.9	80.4	„	0.1		+	1		Above 10m.
7 „	.810	.195	74·0	68.0	6.0	64.9	.74	74.5	80.2	„	0.2		+	1		Above 10m.
8 „	.837	.249	75.0	67.6	7.6	63.5	.68	75.2	80.2	N	0.4		+	1		Above 10m.
9 „	.844	.286	77·4	67.4	10.0	61.9	.60	76·5	80.2	„	0.2		+	1		Above 10m.
10 „	.835	.319	80.0	67·0	13.0	59.6	.51	78.6	80.3	„	0.1		+	1		Above 10m.
11 „	.807	.336	82.0	66.0	16.0	56.2	.43	79.8	80.4	„	0.1		+	1		Above 10m.
Noon.	.777	.318	85.0	67.0	18.0	56.1	.39	81.3	80.4	„	0.2	None.	+	2		5.02
1 p. m.	.742	.099	85.0	72.0	13.0	66.2	.54	81.7	80.4	N b W	0.4					
2 „	.718	·041	84 2	73.0	11.2	67.8	.59	81.4	80.4	NW b N	0.4					
3 „	.696	28.991	83.8	73.6	10.2	69.0	.63	81.4	80.5	NW	0·4					
4 „	.699	.964	82.4	74.0	8.4	70.3	.68	81.0	80·5	„	0.6		+	2		1.34
5 „	.712	29.021	79.6	72.0	7.6	68.4	.70	79.6	80.5	„	0.5		+	7	6	2·05
6 „	.720	28.986	78.4	72.8	5.6	70·3	.77	78.7	80.5	„	0.4		+	6	5	0.50
7 „	.736	.972	78.0	73.5	4.5	71.5	.81	78.5	80·5	„	0.5		+	6	5	0.40
8 „	.751	29.035	77.4	72.0	5.4	69.5	.78	78.0	80.5	NW b N	0.3		+	18	16	1.05
9 „	.754	.183	75.0	67.0	8.0	62.6	.67	76.0	80.5	NW	0.3		+	7	6	1.10
10 „	.756	.211	74.2	61.5	12.7	52.7	.50	75.0	80.4	NW b N	1.0		+	3		1.20
11 „	.757	.203	74.8	60.8	14.0	50.7	.45	75.0	80.4	N	1.5		+	3		2.10

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	Remarks.
3	H	≀ scattered about.	
2	C	A few patches of ≀ in E hor.; ≀ scattered along E hor.	
2	C	" "	
1	C	≀ and a few ≀ scattered along E hor.	
2	C	" "	
6	R	≀ scattered throughout.	
7	R	" "	
0	R	A few ≀ around hor.	
0	R	A few ≀ around hor.; dew falling.	
0	H	Cloudless; dew falling.	
0	H	" "	
0	H	" "	
0	H	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°3.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
2	R	≀ scattered about hor.; dew falling.	
7	R	≀ scattered throughout; dew falling.	
7	R	≀ scattered throughout; mist and fog in hor.	
7	R	" "	
7	H	" "	
7	H	≀ scattered throughout, moving SW; mist in W hor.	
7	H	≀ scattered throughout, moving SW.	
7	H	Clouded as before.	
7	C	" "	
7	C	" "	
7	C	" "	
7	C	" "	
7	R	" "	
7	R	" "	
3	R	≀ scattered about; a lunar-halo observed at 7h. 30m.	
2	R	≀ scattered around hor.	
4	H	≀ scattered about; dew falling.	
4	H	" "	
3	H	" "	
5	H	≀ scattered about; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°9 and 83°2. The height of barometer at 3 P. M. was 29·696 in., least during the month, and about 0·142 in. less than the normal height for that hour.
6	C	" "	
6	C	≀ scattered about.	
5	C	" "	
5	C	" "	
3	R	" "	
5	R	" "	
5	R	≀ scattered about; mist and fog in hor.	
5	R	" "	
5	H	" "	
4	H	" "	
4	H	≀ scattered about; mist along W hor.	
4	H	≀ scattered about.	
3	C	≀ scattered about hor.	
3	C	≀ scattered about hor.; ≀ scattered in SW.	
4	C	≀ scattered about.	
6	C	≀ scattered throughout.	
7	R	" "	
4	R	≀ scattered about.	
2	R	≀ scattered about hor.	
2	R	" "	
2	H	" "	
3	H	" "	
3	H	≀ scattered around hor.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 8th-Midnight	29.741	29.362	74°6	60°6	14°0	50°4	0.45	74°6	80°3	N	0.7		+	2		Above 10m.
1 a. m.	.742	.358	73.6	60.4	13.2	50.8	.47	74.0	80.2	„	0.3		+	2		Above 10m.
2 „	.742	.300	72.6	62.0	10.6	55.0	.56	73.2	80.1	„	0.1		+	6	5	Above 10m.
3 „	.746	.340	73.2	61.0	12.2	52.4	.50	73.5	80.0	„	0.2					
4 „	.760	.326	71.8	61.4	10.4	54.4	.57	72.4	79.8	„	0.3		+	2		Above 10m.
5 „	.773	.283	72.4	63.5	8.9	58.0	.62	73.0	79.7	„	0.4		+	2		Above 10m.
6 „	.788	.279	72.0	64.0	8.0	59.2	.66	73.0	79.5	„	0.5		+	2		Above 10m.
7 „	.812	.306	72.3	64.0	8.3	59.0	.65	73.0	79.5	N b E	0.2		+	2		Above 10m.
8 „	.826	.373	74.4	63.0	11.4	55.7	.54	74.0	79.4	„	0.4		+	1		Above 10m.
9 „	.835	.381	77.0	64.0	13.0	55.7	.50	76.0	79.4	„	0.3		+	1		Above 10m.
10 „	.813	.354	79.4	65.0	14.4	56.1	.47	77.5	79.4	„	0.2		+	1		Above 10m.
11 „	.801	.308	82.0	67.0	15.0	58.2	.46	79.4	79.4	NNE	0.1	None.	+	1		Above 10m.
Noon.	.769	.327	84.2	66.2	18.0	55.0	.38	81.0	79.5	„	0.3		+	1		Above 10m.
1 p. m.	.734	.127	85.6	71.5	14.1	64.7	.51	81.9	79.5	N b E	0.4		+	1		Above 10m.
2 „	.716	.077	84.4	72.0	12.4	66.0	.55	81.9	79.6	NNW	0.5		+	1		
3 „	.706	.069	83.0	71.8	11.2	66.4	.59	81.0	79.7	NW b N	0.5					
4 „	.710	.022	81.2	72.4	8.8	68.3	.66	80.0	79.7	„	0.5					
5 „	.722	.033	79.8	72.0	7.8	68.3	.69	79.6	79.8	„	0.4		+	3		Above 10m.
6 „	.734	.009	78.6	72.6	6.0	69.9	.76	78.7	79.8	„	0.6		+	7	6	2.10
7 „	.752	.012	78.5	73.0	5.5	70.5	.78	78.6	79.9	„	0.3		+	9	9	0.40
8 „	.769	.120	77.0	70.0	7.0	66.5	.71	77.6	80.0	„	0.4		+	6		1.10
9 „	.776	.205	75.0	67.0	8.0	62.6	.67	76.0	80.0	„	0.3		+	10	10	0.10
10 „	.783	.157	76.0	69.0	7.0	65.4	.71	76.5	80.0	„	0.2		+	20	20	0.05
11 „	.776	.277	74.6	64.6	10.0	58.6	.59	75.5	79.9	„	0.2		+	10	10	0.15
Nov. 9th-Midnight	.767	.249	74.0	65.0	9.0	59.7	.69	74.6	79.9	NW b N	0.0		+	10	8	0.05
1 a. m.	.756	.220	73.2	65.3	7.9	60.6	.66	74.2	79.8	„	0.0		+	7	6	0.12
2 „	.748	.238	73.0	64.4	8.6	59.2	.64	74.0	79.7	NNW	0.0					
3 „	.752	.159	74.2	67.4	6.8	63.8	.71	74.6	79.6	N b W	0.0		+	14	14	3.37
4 „	.760	.195	72.6	66.0	6.6	62.3	.72	73.5	79.5	N	0.1		+	2		4.00
5 „	.773	.169	72.0	66.0	6.0	63.8	.74	73.0	79.4	„	0.4		+	4		3.10
6 „	.793	.218	71.7	66.0	5.7	62.8	.75	72.8	79.3	„	0.2		+	3		3.05
7 „	.813	.215	72.5	67.0	5.5	64.0	.76	73.3	79.2	„	0.4		+	3		2.10
8 „	.829	.223	74.8	68.0	6.8	64.4	.72	74.7	79.2	„	0.5		+	4		Above 10m.
9 „	.845	.272	76.6	67.6	9.0	62.7	.64	76.0	79.3	„	0.2		+	3		Above 10m.
10 „	.840	.218	78.8	69.8	9.0	65.2	.65	77.2	79.3	„	0.1		+	1		Above 10m.
11 „	.823	.322	80.8	66.8	14.0	58.7	.50	78.8	79.3	„	0.1		+	2		Above 10m.
Noon.	.799	.317	83.0	67.0	16.0	57.5	.44	80.0	79.3	„	0.1	None.	+	2		Above 10m.
1 p. m.	.771	.120	85.2	72.6	12.6	66.6	.55	81.0	79.3	N b E	0.1		+	20	20	1.17
2 „	.755	.092	82.2	72.0	10.2	67.2	.62	80.4	79.4	N b W	0.3		+	13	12	0.52
3 „	.752	.150	80.3	69.7	10.6	64.2	.60	79.6	79.5	NNW	0.4		+	1		Above 10m.
4 „	.767	.140	79.0	70.0	9.0	65.4	.65	79.0	79.5	„	0.3		+	1		Above 10m.
5 „	.784	.150	78.4	70.0	8.4	65.8	.66	78.5	79.5	„	0.2		+	1		Above 10m.
6 „	.791	.132	77.4	70.4	7.0	67.0	.71	77.4	79.5	„	0.1		+	1		Above 10m.
7 „	.815	.131	77.0	71.0	6.0	68.1	.75	77.3	79.5	„	0.1		+	1		Above 10m.
8 „	.836	.165	75.0	70.0	5.0	67.5	.79	76.0	79.5	„	0.1		+	1		Above 10m.
9 „	.840	.148	74.4	70.4	4.0	68.5	.83	75.4	79.5	„	0.1		+	8	7	1.10
10 „	.838	.132	75.0	71.0	4.0	69.1	.83	75.5	79.5	„	0.0		+	3		2.10
11 „	.828	.146	74.0	70.0	4.0	68.0	.83	75.0	79.5	„	0.0		+	10	8	1.05
Nov. 11th-Midnight	.805	.050	75.5	72.5	3.0	71.2	.87	76.3	79.9	NNW	0.0		+	20	20	0.05
1 a. m.	.802	.055	75.2	72.2	3.0	70.8	.87	76.1	79.8	„	0.0		+	6	5	0.26
2 „	.793	.019	74.8	72.8	2.0	71.9	.91	76.0	79.8	„	0.0		+	2		0.13
3 „	.792	.056	73.6	71.4	2.2	70.4	.90	75.3	79.7	„	0.0					
4 „	.798	.045	74.0	72.0	2.0	71.1	.91	75.4	79.7	„	0.2					
5 „	.812	.157	73.4	69.0	4.4	66.8	.81	74.8	79.7	„	0.2					
6 „	.836	.170	71.5	68.7	2.8	67.2	.88	73.0	79.5	„	0.1	None.	+	1		Above 10m.
7 „	.848	.219	72.7	68.0	4.7	65.5	.80	73.9	79.5	„	0.1		+	2		Above 10m.
8 „	.868	.208	76.0	70.0	6.0	67.0	.75	75.9	79.5	„	0.1		+	1		Above 10m.
9 „	.877	.218	77.4	70.4	7.0	67.0	.71	76.5	79.5	„	0.1		+	1		Above 10m.
10 „	.873	.211	79.0	71.0	8.0	67.1	.68	78.0	79.6	„	0.1		+	1		Above 10m.
11 „	.841	.237	81.0	70.0	11.0	64.3	.59	79.0	79.6	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒≀ cumuli; ⌣≀ cirro-strati; ⌒≀ cumulo-strati; and ⌣≀ nimbi.	
3	H	≀ scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°0. The temperature of evaporation at 1 A.M. was 60°4, lowest in the month, and about 11°9 lower than the normal mean.
4	C	≀ scattered about.	
4	C	≀ scattered about hor.	
3	C	" "	
2	C	" "	
2	R	" "	
6	R	≀ scattered throughout.	
5	R	≀ scattered throughout; mist and fog in hor.	
4	R	" "	
4	H	" "	
5	H	≀ scattered about; mist along W hor.	
7	H	" "	
7	H	≀ scattered throughout.	
6	C	" "	
5	C	Clouded as before.	
6	C	" "	
7	C	" "	
7	R	" "	
6	R	" "	
7	R	" "	
7	R	" "	
7	H	" "	
5	H	" "	
4	H	" "	
3	H	≀ scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 81°2 and 82°9.
2	C	" "	
1	C	≀ scattered along E hor.	
2	C	" "	
1	C	" "	
1	R	" "	
8	R	A few patches of ≀≀ about zenith; otherwise clouded with ≀.	
7	R	≀ scattered throughout; mist and fog in hor.	
7	R	" "	
7	H	≀ scattered throughout.	
8	H	Clouded as before.	
8	H	" "	
8	H	" "	
7	C	" "	
7	C	" "	
7	C	" "	
7	H	" "	
7	H	" "	
6	H	" "	
5	H	" "	
4	H	" "	
4	H	A few ≀≀ above S hor.; ≀ scattered about; dew falling.	
6	H	≀ and ≀≀ scattered about; dew falling.	
5	H	" "	
3	H	≀ scattered about hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°9 and 82°9.
2	C	" "	
1	C	≀ scattered along E hor.; dew falling.	
1	C	" "	
1	C	" "	
1	R	" "	
4	R	≀ scattered about; dew falling.	
2	R	≀ scattered about hor.; mist and fog in hor.	
2	R	" "	
2	H	" "	
2	H	≀ scattered about hor.; mist along W hor.	
2	H	" "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 11th-Noon.	29.815	29.278	84°0	69°0	15°0	60°8	0.47	80°8	79°6	NNW	0.1					
1 p. m.	.781	.102	84.0	73.0	11.0	67.9	.60	81.0	79.7	„	0.1					
2 „	.760	.063	83.8	73.4	10.4	68.7	.62	81.0	79.8	„	0.4					
3 „	.750	28.999	84.4	75.0	9.4	71.0	.65	81.6	79.8	„	0.5					
4 „	.752	.991	82.8	74.8	8.0	71.4	.70	81.2	79.9	„	0.3					
5 „	.756	.970	81.2	75.0	6.2	72.4	.76	80.6	80.0	„	0.5	None.			None.	
6 „	.766	.960	79.4	75.0	4.4	73.2	.82	79.5	80.0	„	0.5					
7 „	.785	.968	78.4	75.0	3.4	73.6	.86	78.7	80.0	„	0.7		+	1		Above 10m.
8 „	.810	.989	78.0	75.0	3.0	73.8	.87	78.5	80.0	„	0.5					
9 „	.812	29.018	77.0	74.0	3.0	72.8	.87	77.6	80.0	„	0.2					
10 „	.802	.055	76.6	72.6	4.0	70.8	.83	77.0	80.0	„	0.1					
11 „	.793	.051	75.0	72.0	3.0	70.6	.87	76.0	80.0	„	0.1					
Nov. 12th-Midnight	.789	.036	74.0	72.0	2.0	71.1	.91	75.8	80.0	NNW	0.0					
1 a. m.	.775	.056	73.8	71.0	2.8	69.7	.88	75.1	80.0	„	0.0					
2 „	.766	.073	73.0	70.0	3.0	68.5	.87	74.3	79.9	„	0.0					
3 „	.757	.073	72.3	69.5	2.8	68.1	.88	74.0	79.8	„	0.0					
4 „	.762	.071	71.7	69.5	2.2	68.4	.90	73.4	79.7	„	0.0					
5 „	.774	.063	71.4	70.0	1.4	69.3	.94	73.3	79.7	„	0.0					
6 „	.820	.106	72.0	70.0	2.0	69.0	.91	73.5	79.5	„	0.0		+	1		Above 10m.
7 „	.834	.121	72.8	70.5	2.3	69.4	.90	74.0	79.5	„	0.0		+	1		Above 10m.
8 „	.849	.156	74.6	70.5	4.1	68.5	.82	75.0	79.5	„	0.4					
9 „	.863	.193	76.4	70.4	6.0	67.5	.75	76.2	79.6	„	0.1					
10 „	.847	.145	77.7	71.7	6.0	68.9	.76	77.0	79.6	„	0.1					
11 „	.812	.146	80.5	71.5	9.0	67.3	.67	78.5	79.6	„	0.1	None.			None.	
Noon.	.779	.104	82.2	72.2	10.0	67.7	.62	79.5	79.6	„	0.1					
1 p. m.	.747	.076	82.6	72.2	10.4	67.5	.61	80.0	79.6	NW b N	0.1					
2 „	.730	.041	83.1	73.0	10.1	68.3	.63	80.4	79.6	„	0.3					
3 „	.724	.028	83.2	73.2	10.0	68.6	.63	80.8	79.7	„	0.3					
4 „	.728	.035	82.8	73.0	9.8	68.5	.64	80.7	79.8	„	0.3					
5 „	.722	.045	80.0	71.7	8.3	67.8	.68	79.3	79.8	„	0.4					
6 „	.740	.035	78.4	72.0	6.4	69.0	.74	78.3	79.8	„	0.3					
7 „	.762	.053	78.0	72.0	6.0	69.2	.76	78.0	79.8	„	0.6					
8 „	.786	.036	77.6	73.0	4.6	71.0	.81	77.7	79.8	„	0.6		+	2		Above 10m.
9 „	.793	.060	77.5	72.5	5.0	70.2	.79	77.0	79.8	„	0.2		+	1		Above 10m.
10 „	.791	.049	75.0	72.0	3.0	70.6	.87	76.0	79.8	„	0.1		+	1		Above 10m.
11 „	.790	.063	74.4	71.4	3.0	70.0	.87	75.7	79.8	„	0.1		+	1		Above 10m.
Nov. 13th-Midnight	.768	.051	74.0	71.0	3.0	69.6	.87	75.2	79.8	NW b N	0.0					
1 a. m.	.761	.100	72.8	69.0	3.8	67.1	.83	74.3	79.7	„	0.0					
2 „	.750	.111	71.8	68.0	3.8	66.0	.83	73.7	79.6	„	0.0					
3 „	.747	.086	71.6	68.6	3.0	67.1	.87	73.3	79.5	„	0.0					
4 „	.760	.097	71.4	68.6	2.8	67.2	.87	73.1	79.4	„	0.0					
5 „	.775	.127	71.0	68.0	3.0	66.5	.86	73.0	79.4	„	0.0					
6 „	.808	.160	71.0	68.0	3.0	66.5	.86	72.5	79.2	„	0.0					
7 „	.836	.128	73.2	70.5	2.7	69.2	.88	73.9	79.3	„	0.0					
8 „	.860	.144	75.4	71.4	4.0	69.5	.83	75.4	79.3	„	0.0					
9 „	.877	.130	76.6	72.6	4.0	70.8	.83	76.4	79.4	„	0.2					
10 „	.873	.126	78.6	73.2	5.4	70.8	.78	77.5	79.4	„	0.2					
11 „	.850	.078	80.4	74.4	6.0	71.8	.76	79.0	79.4	„	0.1	None.	None.	None.	None.	None.
Noon.	.829	.024	83.0	76.0	7.0	73.2	.73	80.0	79.5	„	0.1					
1 p. m.	.797	.000	83.0	75.8	7.2	72.9	.73	80.5	79.5	„	0.3					
2 „	.783	28.990	83.3	75.8	7.5	72.7	.71	81.0	79.6	„	0.3					
3 „	.778	.995	83.6	75.6	8.0	72.3	.70	81.2	79.6	„	0.3					
4 „	.781	.972	83.4	76.2	7.2	73.3	.73	81.1	79.7	„	0.2					
5 „	.787	.956	80.6	76.0	4.6	74.1	.82	80.1	79.7	„	0.4					
6 „	.798	.988	79.0	75.0	4.0	73.3	.84	79.0	79.8	„	0.8					
7 „	.820	29.001	78.2	75.0	3.2	73.7	.87	78.5	79.8	„	0.7					
8 „	.838	28.999	77.8	75.4	2.4	74.4	.90	78.2	79.9	„	0.5					
9 „	.848	29.054	77.0	74.0	3.0	72.8	.87	77.5	79.9	„	0.4					
10 „	.841	.069	75.6	73.0	2.6	71.8	.89	76.5	80.0	„	0.2					
11 „	.840	.028	75.4	74.0	1.4	73.4	.94	76.2	79.9	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ≀∩ nimbi.	
2	H	≀ scattered around hor.	
2	C	≀ scattered along E hor.	
2	C	,, ,,	
5	C	≀ scattered about.	
5	C	,, ,,	
7	R	,, ,,	
7	R	≀ scattered about; a lunar-halo.	
5	R	≀ scattered about; a partial lunar-halo.	
5	R	,, ,,	
6	H	≀ scattered about; a lunar-halo; dew falling.	
6	H	,, ,,	
6	H	,, ,,	
5	H	≀ scattered about; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°1 and 83°1.
1	C	≀ scattered around hor.; dew falling.	
0	C	A few ≀ along E hor.; dew falling copiously.	
0	C	,, ,,	
0	C	,, ,,	
0	R	A few ≀ along E hor.; dew falling copiously.	
2	R	≀ scattered along E hor.; dew falling copiously.	
2	R	≀ scattered along E hor.; mist and fog in hor.	
4	R	≀ scattered about; mist and fog in hor.	
4	H	,, ,,	
4	H	A few pieces of ≀≀ above ESE hor.; ≀ scattered here and there; mist along W hor.	
4	H	,, ,, ,,	
3	H	A few ≀≀ above ESE hor.; ≀ scattered about hor.	
2	C	A few ≀≀ above SE hor.; ≀ scattered about hor.	
2	C	≀ scattered from NE to SW hor.; a few ≀≀ above SW hor.	
2	C	A few ≀≀ above W hor.; ≀ scattered along E hor.	
2	C	A few ≀≀ above NW hor.; ≀ scattered along E hor.	
2	R	≀ scattered around hor.	
0	R	A few ≀ along E hor.	
0	R	,, ,,	
0	R	,, ,,	
0	H	,, ,,	
0	H	A few ≀ along E hor.; dew falling.	
0	H	,, ,,	
2	H	≀ scattered above S hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°1 and 83°2. The temperature of evaporation at 4 P.M. was 76°2, greatest in the month, and about 1°7 greater than the normal mean.
1	C	≀ scattered above W hor.; dew falling.	
1	C	,, ,,	
0	C	A few ≀ above W hor.; dew falling.	
0	C	,, ,,	
1	R	≀ scattered about hor.; dew falling.	
5	R	≀ scattered about; dew falling.	
5	R	≀ scattered about; mist and fog in hor.	
4	R	,, ,,	
4	H	,, ,,	
4	H	≀ scattered about; mist along W hor.	
4	H	,, ,,	
4	H	≀ scattered about.	
2	C	≀ scattered about hor.; a few ≀≀ in E hor.	
2	C	,, ,,	
2	C	≀≀ along E hor.; ≀ scattered around hor.	
2	C	,, ,,	
2	R	,, ,,	
1	R	≀ scattered around hor.	
0	R	Cloudless.	
0	R	,,	
0	H	Cloudless; dew falling.	
0	H	,, ,,	
0	H	,, ,,	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds of same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 14TH-Midnight	29.825	29.146	75°0	73°0	2°0	72°1	0.91	76°1	79°9	NW b N	0.0			0		
1 a. m.	.816	.005	74.7	73.5	1.2	73.0	.95	75.9	79.8	„	0.0					
2 „	.804	.018	74.4	73.0	1.4	72.4	.94	75.7	79.8	„	0.0					
3 „	.805	.019	74.4	73.0	1.4	72.4	.94	75.4	79.8	„	0.0					
4 „	.806	.078	73.0	71.0	2.0	70.0	.91	74.9	79.7	„	0.0					
5 „	.808	.044	73.0	72.0	1.0	71.5	.95	74.5	79.7	„	0.0					
6 „	.830	.050	73.2	72.5	0.7	72.2	.97	74.5	79.6	„	0.0					
7 „	.858	.070	74.2	73.0	1.2	72.5	.95	75.2	79.5	„	0.0					
8 „	.889	.110	75.0	73.0	2.0	72.1	.91	75.7	79.5	„	0.0					
9 „	.905	.148	77.0	73.0	4.0	71.2	.83	77.0	79.6	„	0.1					
10 „	.901	.134	78.8	73.8	5.0	71.6	.80	78.0	79.6	„	0.1					
11 „	.879	.131	81.2	74.0	7.2	70.9	.72	79.2	79.6	„	0.1					
Noon.	.851	.112	82.0	74.0	8.0	70.5	.69	80.0	79.7	„	0.1	None.	None.	None.	None.	None.
1 p. m.	.829	.101	83.0	74.0	9.0	70.0	.66	81.0	79.7	„	0.3					
2 „	.808	.042	83.0	75.0	8.0	71.6	.70	81.1	79.8	„	0.3					
3 „	.804	.006	82.9	75.8	7.1	72.9	.73	80.9	79.9	NW	0.2					
4 „	.807	28.993	82.2	76.0	6.2	73.5	.76	80.6	79.9	„	0.4					
5 „	.817	.977	79.8	76.0	3.8	74.5	.85	79.5	79.9	„	0.4					
6 „	.837	29.023	78.6	75.0	3.6	73.5	.85	78.8	80.0	„	0.6					
7 „	.862	.041	78.0	75.0	3.0	73.8	.87	78.5	80.0	„	0.2					
8 „	.880	.089	77.3	74.0	3.3	72.6	.86	78.0	80.0	„	0.1					
9 „	.884	.100	76.6	73.6	3.0	72.3	.87	77.5	80.0	„	0.1					
10 „	.881	.108	76.2	73.2	3.0	71.9	.87	77.0	80.1	„	0.1					
11 „	.880	.075	76.0	74.0	2.0	73.2	.91	76.7	80.1	„	0.1					
Nov. 15TH-Midnight	.865	.123	75.0	72.0	3.0	70.6	.87	76.0	80.0	NW	0.0					
1 a. m.	.856	.103	74.0	72.0	2.0	71.1	.91	75.1	79.9	„	0.0		+	3		0.12
2 „	.839	.051	74.2	73.0	1.2	72.5	.95	75.2	79.9	„	0.0					
3 „	.838	.048	74.0	73.0	1.0	72.6	.96	75.1	79.8	„	0.0					
4 „	.834	.108	73.2	71.0	2.2	69.9	.90	74.8	79.8	„	0.0					
5 „	.836	.122	72.4	70.4	2.0	69.4	.91	73.9	79.7	„	0.0					
6 „	.870	.151	72.2	70.5	1.7	69.7	.92	73.8	79.6	„	0.0					
7 „	.899	.118	74.8	73.0	1.8	72.2	.92	75.2	79.5	„	0.0					
8 „	.923	.155	76.0	73.0	3.0	71.7	.87	76.0	79.5	„	0.0					
9 „	.947	.194	77.4	73.0	4.4	71.1	.82	77.0	79.6	„	0.1					
10 „	.938	.166	79.0	74.0	5.0	71.8	.80	78.0	79.6	„	0.1		+	1		Above 10m.
11 „	.911	.123	81.0	75.0	6.0	72.5	.76	79.4	79.7	„	0.1	None.	+	1	None.	Above 10m.
Noon.	.879	.102	82.0	75.0	7.0	72.0	.73	80.0	79.7	„	0.1					
1 p. m.	.845	.054	82.5	75.5	7.0	72.6	.73	80.1	79.8	„	0.2					
2 „	.827	.020	82.8	76.0	6.8	73.2	.74	80.5	79.8	„	0.3					
3 „	.817	.010	82.8	76.0	6.8	73.2	.74	80.9	79.9	„	0.4					
4 „	.817	.073	82.2	74.2	8.0	70.7	.69	80.4	80.0	„	0.5					
5 „	.831	.103	79.6	73.0	6.6	70.0	.74	79.0	80.0	NW b N	0.4					
6 „	.834	.092	78.4	73.0	5.4	70.6	.78	78.4	80.0	„	0.4					
7 „	.850	.104	78.0	73.0	5.0	70.8	.79	78.0	80.0	„	0.6					
8 „	.872	.075	77.6	74.0	3.6	72.5	.85	77.8	80.0	„	0.7					
9 „	.871	.077	77.0	74.0	3.0	72.8	.87	77.2	80.0	„	0.1					
10 „	.864	.096	76.0	73.0	3.0	71.7	.87	76.6	80.0	„	0.1					
11 „	.863	.089	74.8	72.8	2.0	71.9	.96	76.0	80.1	„	0.2					
Nov. 16TH-Midnight	.846	.067	75.0	73.0	2.0	72.1	.91	76.0	80.0	NW b N	0.0			0		
1 a. m.	.841	.048	75.0	73.4	1.6	72.7	.93	76.0	79.9	„	0.0					
2 „	.828	.025	74.2	72.6	1.6	71.9	.93	75.2	79.8	„	0.0					
3 „	.826	.036	74.0	73.0	1.0	72.6	.96	75.1	79.7	„	0.0					
4 „	.824	.058	73.2	72.1	1.1	71.6	.95	74.7	79.7	„	0.0					
5 „	.838	.039	73.2	73.0	0.2	73.0	.99	74.5	79.7	„	0.0	None.	None.	None.	None.	None.
6 „	.866	.067	73.2	73.0	0.2	73.0	.99	74.5	79.6	„	0.0					
7 „	.885	.106	73.3	72.5	0.8	72.1	.96	74.5	79.5	„	0.3					
8 „	.907	.102	76.0	74.0	2.0	73.2	.91	76.0	79.5	„	0.5					
9 „	.923	.131	77.2	74.0	3.2	72.8	.87	77.0	79.6	„	0.2					
10 „	.915	.132	78.0	74.0	4.0	72.3	.83	77.5	79.6	„	0.1					
11 „	.890	.114	80.7	74.7	6.0	72.0	.76	79.0	79.6	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
0	H	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 83°1. Temperature of the calculated dew point at 5 P.M. was 74°5, greatest in the month.
0	C	" "	
1	C	scattered along E hor; dew falling.	
1	C	" "	
1	C	and scattered along E hor.; dew falling.	
2	R	and scattered around hor.; dew falling.	
2	R	around hor.; scattered about; dew falling.	
3	R	scattered in E hem.; above E and S hor.; mist and fog in hor.	
4	R	scattered about; mist and fog in hor.	
4	H	scattered about, moving NW; mist and fog in hor.	
4	H	scattered about, moving NW; mist along W hor.	
1	H	" " "	
2	H	scattered about hor.	
1	C	scattered along E hor.	
1	C	" "	
1	C	A few above ESE hor; scattered along E hor.	
1	C	" " "	
0	R	A few patches of in E hor.	
0	R	" "	
0	R	Cloudless.	
0	R	Cloudless; dew falling.	
0	H	" "	
0	H	" "	
0	H	" "	
0	H	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 83°1.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	" "	
0	R	A few in E hor.; dew falling.	
0	R	Mist and fog in hor.	
0	R	A few along E hor.; mist and fog in hor.	
0	H	" "	
0	H	A few in E hor.; mist along W hor.	
0	H	A few in E hor.; a few in N hor.; mist along W hor.	
1	H	scattered along E hor.	
1	C	" "	
1	C	" "	
1	C	" "	
2	C	scattered along E hor.; around hor.	
1	R	" "	
0	R	Cloudless.	
0	R	"	
0	R	"	
0	H	"	
0	H	Cloudless; dew falling.	
0	H	" "	
0	H	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 83°0.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
2	R	and scattered around hor.; dew falling.	
3	R	scattered around hor., moving S; dew falling.	
2	R	scattered around hor.; mist and fog in hor.	
1	R	scattered about E and S hor.; mist and fog in hor.	
1	H	" "	
1	H	scattered above E and S hor.; mist along W hor.	
0	H	A few in S hor.; mist along W hor.	

Bombay Civil Time. 1861.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the usual degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 16th-Noon.	29.868	29.102	81°6	74°6	7°0	71°6	0.73	79°7	79°7	NW b N	0.1					
1 p. m.	.833	.080	82.5	74.5	8.0	71.1	.70	80.0	79.8	,,	0.3					
2 ,,	.822	.020	83.3	76.0	7.3	73.0	.72	80.8	79.8	NW	0.4					
3 ,,	.816	.012	83·1	76·0	7.1	73.1	.73	81.0	79.9	,,	0.4					
4 ,,	.816	.004	82.4	76.0	6.4	73.4	.75	80.7	80.0	,,	0.4					
5 ,,	.827	.045	79.9	74.5	5.4	72.2	.79	79.6	80.0	,,	0.4					
6 ,,	.839	.060	78.4	74.0	4.4	72.1	.83	78.6	80.0	,,	0.5	None.	None.	None.	None.	None.
7 ,,	.856	.106	77·6	73.0	4.6	71.0	.81	78.0	80.0	,,	0.4					
8 ,,	.873	.116	77.0	73.0	4.0	71.2	.83	77.5	80.0	,,	0.2					
9 ,,	.879	.122	77.0	73.0	4.0	71.2	.83	77.4	80.1	,,	0.2					
10 ,,	.885	.147	75.4	72.0	3.4	70.5	.86	76.0	80.2	,,	0.1					
11 ,,	.875	.197	74.4	70.0	4.4	67.8	.81	75.8	80.1	,,	0.2					
Nov. 18th-Midnight	.915	.260	73·4	69.0	4.4	66.8	.81	75.6	79.8	NW b N	0.0					
1 a. m.	.910	.193	74.0	71.0	3.0	69.6	.88	75.6	79.7	,,	0.0					
2 ,,	.906	.201	73.2	70.4	2.8	69.0	.88	74.4	79.6	,,	0.0					
3 ,,	.905	.181	73.4	71.0	2.4	69.9	.89	74.4	79.5	,,	0.2					
4 ,,	.904	.194	72·8	70.4	2.4	69.3	.89	74.0	79.5	,,	0.2					
5 ,,	.910	.210	72.4	70.0	2.4	68.8	.89	73.9	79.5	,,	0.1					
6 ,,	.931	.254	71.4	69.0	2.4	67.8	.89	73.0	79.3	,,	0.2					
7 ,,	.956	.258	72.5	70.0	2.5	68.7	.89	73.7	79.2	,,	0.2					
8 ,,	.978	.268	74.7	71.0	3.7	69.3	.84	75.5	79.2	,,	0·5					
9 ,,	.998	.292	85.0	71.0	4.0	69.1	.83	76.0	79.3	,,	0.2					
10 ,,	.992	.358	76.9	69.5	7.4	65.8	.70	76.2	79.3	NNW	0.2					
11 ,,	.972	.297	79·6	71.5	8.0	67.7	.69	77.5	79.4	,,	0.1	None.	None.	None.	None.	None.
Noon.	.949	.321	83·0	71.0	11.0	65.5	.59	79 4	79.5	,,	0.1					
1 p. m.	.914	.242	83.0	72.5	10.5	67·6	·61	79.7	79·6	NW	0.2					
2 ,,	.897	.210	83.3	73·0	10.3	68.2	.62	80.3	79.6	,,	0.2					
3 ,,	.883	.152	83.1	74.1	9.0	71.0	·66	80.4	79.6	,,	0.3					
4 ,,	.881	.144	82.2	74.0	8.2	70.4	.69	80.2	79.6	,,	0.4					
5 ,,	.887	.159	79.6	73.0	6.6	70.0	.74	79·0	79.6	,,	0.5					
6 ,,	.904	.156	77.8	73.0	4.8	70.9	.80	77.8	79.6	,,	1.2					
7 ,,	.931	.213	77.2	72.0	5.2	69.6	.78	77.2	79.5	,,	0.5					
8 ,,	.945	.188	77.0	73.0	4.0	71.2	.83	77.0	79.5	,,	0.5					
9 ,,	.945	.198	76·6	72.6	4.0	70.8	.83	77.0	79.6	,,	0.4					
10 ,,	.944	.329	74.0	68.0	6·0	64.9	.74	75.2	79.6	,,	0.3					
11 ,,	.937	.243	73.8	69.8	4.0	67.6	.82	75.0	79.5	,,	0.2					
Nov. 19th-Midnight	.927	.272	73.4	69.0	4.4	66.8	.81	75.0	79.5	NW	0.0					
1 a. m.	.911	.243	73.4	69.4	4.0	67.4	.82	74.4	79.4	,,	0.0					
2 ,,	.899	.213	73.6	70.0	3.6	68.2	·84	74.4	79.3	,,	0.0					
3 ,,	.898	.239	73.0	69.0	4.0	67.0	.82	74.0	79.2	,,	0.2					
4 ,,	.903	.266	72.0	68.0	4.0	65.9	.82	73.4	79.2	,,	0.2					
5 ,,	.908	.344	69.8	65.0	4.8	62.2	.78	72.8	79.0	,,	0.5					
6 ,,	.932	.319	71.2	67.0	4.2	64.8	.81	72.5	79.0	,,	0.4					
7 ,,	.948	·311	72.0	68.0	4.0	65.9	.82	73.6	79.0	,,	0.2					
8 ,,	·971	.326	74.3	69.0	5.3	66.3	.77	74.7	79.0	,,	0.3					
9 ,,	.988	.326	75.8	70.0	5.8	67.1	.76	75.1	78.9	,,	0.2					
10 ,,	.987	.342	77.4	70.0	7.4	66.3	·70	76.0	78.9	,,	0.1	None.	None.	None.	None.	None.
11 ,,	·971	·376	79.5	69.2	10.3	63.9	.61	77.2	78.9	,,	0.1					
Noon.	.944	.335	83.7	71.0	12.7	64.6	.54	79.5	78.9	,,	0.1					
1 p. m.	.910	.231	84.0	73.0	11.0	67.9	.60	80.2	79.0	N b W	0.1					
2 ,,	.884	.216	83.4	72.5	10.9	67.4	.60	80.3	79.0	,,	0.1					
3 ,,	.881	.200	82.9	72.7	10.2	68.0	.62	80.0	79.1	,,	0.2					
4 ,,	.886	.177	82.4	73.3	9.1	69.2	.66	80.0	79.2	,,	0.3					
5 ,,	.892	.129	79.8	74.0	5.8	71.5	.77	79.2	79.3	,,	0.5					
6 ,,	.897	.180	77.3	72.0	5.3	69.6	.78	77.7	79.3	,,	0.6					
7 ,,	.915	.227	76.6	71.0	5.6	68.3	.77	77.0	79.3	,,	0.5					
8 ,,	.931	.174	77.0	73·0	4.0	71.2	.83	77.0	79.3	,,	0.5					
9 ,,	.956	.175	76.6	73.0	3.6	71·4	.85	77.0	79.4	,,	0.1					
10 ,,	.941	.271	74.8	69.9	4.9	67·5	.80	75·5	79.4	,,	0.1					
11 ,,	.938	.267	73.5	69.5	4.0	67.5	.83	74.9	79 4	,,	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ∩ cumuli; ∩≤ cirro-strati; ∩∩ cumulo-strati; and ≥ nimbi.	Remarks.
0	H	A few ≤ in S hor.; mist along W hor.	
0	C	A few ≤ above SSE hor.	
0	C	A few pieces of ≤≤ above ESE hor.	
0	C	" "	
0	C	A few pieces of ≤≤ above E hor.	
0	H	" "	
0	H	Cloudless.	
0	H	"	
0	H	"	
0	H	"	
0	H	Cloudless; dew falling.	
0	H	" "	
0	H	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 83°0. This was the 9th day on which the sky was almost cloudless.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	" "	
0	R	A few ≤ in E hor.; dew falling.	
0	R	A few ≤ in E hor.; mist and fog in hor.	
0	R	" "	
0	H	" "	
0	H	A few ≤ in E hor.; mist along W hor.	
0	H	" "	
0	H	A few ≤ along E hor.	
0	C	Cloudless.	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	H	Cloudless; dew falling.	
0	H	" "	
0	H	" "	
0	H	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°9 and 83°0. This was the 10th cloudless day during the year.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	" "	
0	R	" "	
0	R	Mist around hor.	
0	R	Mist and fog in hor.	
0	B	" "	
0	B	" "	
0	B	Mist in W hor.	
0	B	Cloudless.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	Cloudless; dew falling.	
0	R	" "	
0	B	" "	
0	B	" "	
0	B	" "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering some degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 20th-Midnight	29.927	29.298	72°7	68°0	4°7	65°5	0.80	74°0	79.3	N b W	0.2					
1 a. m.	.912	.169	73.6	71.6	2.0	70.6	.91	74.6	79.2	„	0.2					
2 „	.900	.215	72.2	69.5	2.7	68.1	.88	73.8	79.1	„	0.0					
3 „	.900	.236	70.8	68.4	2.4	67.2	.89	73.0	79.0	„	0.0					
4 „	.906	.220	70.5	69.0	1.5	68.2	.93	72.2	78.9	„	0.0					
5 „	.912	.288	70.2	67.0	3.2	65.3	.85	72.2	78.9	N	0.5					
6 „	.935	.309	70.0	67.0	3.0	65.4	.86	72.0	78.8	„	0.1					
7 „	.956	.310	71.2	68.0	3.2	66.4	.86	72.4	78.7	N b W	0.4					
8 „	.977	.321	73.3	69.0	4.3	66.8	.81	73.8	78.6	N	0.2					
9 „	.995	.360	75.2	69.0	6.2	65.8	.74	74.5	78.7	„	0.1	None.	None.	None.	None.	None.
10 „	.988	.351	76.7	69.5	7.2	65.9	.71	75.5	78.7	„	0.1					
11 „	.961	.368	79.0	69.0	10.0	63.8	.61	76.9	78.7	„	0.2					
Noon.	.936	.314	81.9	70.8	11.1	65.2	.59	78.2	78.7	„	0.1					
1 p. m.	.907	.220	83.3	73.0	10.3	68.2	.62	79.6	78.8	NNE	0.1					
2 „	.895	.244	83.3	72.0	11.3	66.6	.58	80.1	78.9	„	0.2					
3 „	.888	.229	83.2	72.2	11.0	67.0	.59	80.4	79.0	N b E°	0.4					
4 „	.890	.190	82.6	73.0	9.6	68.6	.64	80.2	79.0	N b W	0.4					
5 „	.889	.184	80.0	72.5	7.5	67.0	.70	79.2	79.0	„	0.6					
6 „	.905	.178	78.0	72.5	5.5	70.0	.78	78.0	79.1	„	0.5					
7 „	.933	.185	77.8	73.0	4.8	70.9	.80	77.8	79.2	„	0.7					
8 „	.953	.166	77.6	74.0	3.6	72.5	.85	77.8	79.2	„	0.7					
9 „	.970	.289	75.7	70.5	5.2	68.0	.78	76.0	79.2	„	0.4					
10 „	.971	.325	74.2	69.0	5.2	66.4	.78	75.2	79.2	„	0.2					
11 „	.965	.328	72.6	68.2	4.4	65.9	.81	74.0	79.2	„	0.2					
Nov. 21st-Midnight	.955	.285	72.0	69.0	3.0	67.5	.85	73.9	79.1	N b W	0.0		+	2		1.00
1 a. m.	.938	.288	72.0	68.4	3.6	66.6	.84	73.4	79.0	„	0.0		+	4		0.22
2 „	.926	.273	70.6	67.4	3.2	65.7	.86	72.7	78.9	„	0.0		+	7		0.39
3 „	.920	.326	70.0	66.0	4.0	63.8	.82	71.9	78.8	„	0.0		+			
4 „	.925	.335	69.2	65.6	3.6	63.6	.83	71.2	78.6	„	0.0		+	2		0.20
5 „	.935	.330	69.0	66.0	3.0	64.4	.86	71.0	78.6	„	0.0		+	2		0.20
6 „	.959	.337	70.4	67.0	3.4	65.2	.84	71.5	78.5	N	0.2					
7 „	.981	.336	71.3	68.0	3.3	66.3	.85	72.0	78.5	N b E	0.4					
8 „	30.001	.385	72.7	67.6	5.1	64.9	.78	73.0	78.5	„	0.4					
9 „	.026	.422	75.0	68.0	7.0	64.3	.71	74.2	78.4	„	0.3					
10 „	.021	.527	77.7	65.5	12.2	58.3	.53	75.5	78.4	„	0.2	None.				
11 „	29.994	.377	79.9	70.0	9.9	65.0	.63	77.2	78.4	„	0.1					
Noon.	.967	.414	82.6	69.0	13.6	61.6	.51	78.5	78.4	„	0.1					
1 p. m.	.934	.274	84.1	72.5	11.6	67.0	.58	80.0	78.5	N	0.1					
2 „	.918	.169	83.9	74.8	9.1	70.9	.66	80.4	78.6	„	0.2		+	7	6	0.23
3 „	.900	.174	83.2	74.0	9.2	69.9	.66	80.4	78.7	„	0.4					
4 „	.903	.201	82.0	73.0	9.0	68.9	.66	80.1	78.8	N b W	0.6					
5 „	.903	.156	79.6	73.5	6.1	70.8	.76	79.0	78.8	„	0.6					
6 „	.925	.177	77.8	73.0	4.8	70.8	.80	77.8	78.9	„	0.5					
7 „	.939	.219	77.0	72.0	5.0	69.7	.79	77.2	79.0	„	0.5					
8 „	.951	.192	76.8	73.0	3.8	71.3	.84	77.0	79.0	„	0.7					
9 „	.961	.328	75.4	69.0	6.4	65.7	.73	76.0	79.0	„	0.3					
10 „	.958	.310	74.0	69.0	5.0	66.5	.78	75.0	79.0	„	0.2					
11 „	.950	.322	72.8	68.0	4.8	65.5	.79	74.1	79.0	„	0.0					
Nov. 22nd-Midnight	.942	.305	72.0	68.0	4.0	65.9	.82	73.3	79.0	N b W	0.0					
1 a. m.	.928	.309	70.6	67.0	3.6	65.1	.84	72.7	78.8	„	0.0		+	2		0.17
2 „	.916	.284	70.4	67.3	3.1	65.7	.86	72.0	78.7	„	0.0		+	4		Above 10m.
3 „	.910	.290	70.5	67.0	3.5	65.1	.84	72.0	78.6	„	0.0					
4 „	.915	.340	69.4	65.2	4.2	62.8	.81	71.2	78.5	„	0.0					
5 „	.925	.349	70.2	65.5	4.7	62.9	.79	71.2	78.4	„	0.0					
6 „	.949	.326	70.3	67.0	3.3	65.3	.85	71.5	78.3	„	0.0					
7 „	.976	.326	70.8	68.0	2.8	66.6	.87	72.0	78.2	N	0.2	None.			None.	
8 „	30.004	.374	72.6	68.0	4.6	65.6	.80	73.3	78.2	N b E	0.2					
9 „	.024	.405	74.6	68.3	6.3	65.1	.73	74.0	78.2	NNE	0.2					
10 „	.049	.401	76.5	69.0	7.5	65.1	.70	75.0	78.2	„	0.1					
11 „	29.993	.496	78.6	69.0	9.6	64.0	.63	76.3	78.3	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌒≤ cirro-strati; ⌒⌒ cumulo-strati; and ≋ nimbi.	
0	B	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°8 and 82°9. This was the 11th cloudless day during the year.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	" "	
0	R	" "	
0	R	Mist and fog in hor.	
0	R	" "	
0	B	" "	
0	B	" "	
0	B	Light mist along W hor.	
0	B	Cloudless.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°6 and 82°8. This was the 12th cloudless day during the year. The temperature of external and free air at 5 A. M. was 69°0, least during the month, and about 5°5 less than the normal mean.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	" "	
0	R	" "	
0	R	Mist and fog around hor.	
0	R	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	Cloudless.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°5 and 82°8. This was the 10th day on which the sky remained almost cloudless.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	" "	
0	R	" "	
0	R	Mist and fog around hor.	
0	R	" "	
0	B	A few ≤ above W hor.; mist and fog in hor.	
0	B	Light ≤ along W hor.; mist and fog in hor.	
0	B	" "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 22nd-Noon.	29.961	29.390	82°5	69°5	13°0	62°6	0.53	78°0	78°3	NNE	0.1					
1 p. m.	.926	.284	84.7	72.2	12.5	66.2	.55	79.4	78.4	N b E	0.3					
2 „	.910	.297	83.4	71.0	12.4	64.8	.55	80.0	78.5	„	0.4					
3 „	.899	.212	83.3	73.0	10.3	68.2	.62	80.2	78.5	„	0.3		+	1		0.36
4 „	.897	.195	82.0	73.0	9.0	68.9	.66	80.0	78.6	„	0.4	None.	+	2		0.44
5 „	.900	.202	79.0	72.0	7.0	68.7	.72	78.7	78.7	„	0.5					
6 „	.924	.243	77.3	71.0	6.3	68.0	.74	77.5	78.7	„	0.2		+	1		Above 10m.
7 „	.945	.292	76.6	70.0	6.6	66.7	.73	76.7	78.7	„	0.5					
8 „	.967	.242	76.5	72.0	4.5	69.9	.81	76.6	78.7	„	0.5		+	2		1.50
9 „	.973	.271	75.4	71.0	4.4	68.9	.81	75.9	78.7	„	0.2		+	4	4	1.08
10 „	.984	.365	73.6	68.0	5.6	65.1	.76	74.5	78.7	„	0.1		+	4	4	1.00
11 „	.979	.337	73.0	68.5	4.5	66.2	.80	74.0	78.7	„	0.0		+	6	6	0.56
Nov. 23rd-Midnight	.959	.270	73.4	70.0	3.4	68.3	.85	74.1	78.7	N b E	0.1		+	1		Above 10m.
1 a. m.	.946	.306	71.7	68.0	3.7	66.1	.84	73.0	78.6	„	0.0		+	2		0.16
2 „	.933	.229	72.0	70.0	2.0	69.0	.91	73.5	78.6	„	0.2		+	1		Above 10m.
3 „	.932	.306	71.5	67.5	4.0	65.4	.82	73.0	78.5	„	0.1		+	1		Above 10m.
4 „	.934	.342	70.4	66.0	4.4	63.6	.80	72.2	78.5	„	0.1		+	2		0.25
5 „	.944	.309	70.4	67.4	3.0	65.8	.86	71.8	78.3	„	0.4					
6 „	.961	.302	70.0	68.0	2.0	67.0	.91	72.0	78.3	„	0.2		+	2		0.20
7 „	.991	.355	70.6	67.5	3.1	65.9	.86	72.0	78.2	„	0.2					
8 „	30.013	.389	72.0	67.6	4.4	65.3	.81	73.0	78.1	„	0.3					
9 „	.036	.410	74.5	68.5	6.0	65.1	.75	74.0	78.2	„	0.1					
10 „	.028	.393	76.8	69.5	7.3	65.8	.70	75.1	78.2	„	0.1					
11 „	29.995	.430	78.5	68.0	10.5	62.3	.59	76.0	78.2	„	0.1	None.				
Noon.	.967	.407	83.0	69.0	13.0	62.0	.52	78.0	78.3	„	0.1				None.	
1 p. m.	.933	.397	86.0	69.6	16.4	60.7	.44	80.2	78.4	„	0.1	None.				
2 „	.917	.233	87.0	74.0	13.0	68.1	.55	81.6	78.5	„	0.2		+	4		Above 10m.
3 „	.907	.240	85.1	73.0	12.1	67.3	.57	81.4	78.5	„	0.2					
4 „	.912	.233	84.0	73.0	11.0	67.9	.60	81.1	78.6	„	0.4					
5 „	.922	.198	80.0	73.0	7.0	69.9	.72	79.5	78.7	N	0.5		+	1		Above 10m.
6 „	.936	.225	77.8	72.0	5.8	69.3	.76	78.0	78.7	„	0.5					
7 „	.953	.267	76.8	71.0	5.8	69.1	.76	77.0	78.7	„	0.4					
8 „	.969	.245	76.6	72.0	4.6	69.9	.81	77.0	78.7	„	0.5					
9 „	.976	.276	75.5	71.0	4.5	68.8	.81	76.0	78.8	„	0.4					
10 „	.973	.380	73.0	67.0	6.0	63.8	.74	74.0	78.7	„	0.5					
11 „	.969	.369	72.4	67.0	5.4	64.1	.76	73.5	78.7	N b W	0.4					
Nov. 25th-Midnight	.926	.265	72.8	69.0	3.8	67.1	.83	74.0	78.5	N	0.2					
1 a. m.	.905	.268	72.0	68.0	4.0	65.9	.82	73.7	78.5	„	0.5					
2 „	.883	.246	72.0	68.0	4.0	65.9	.82	73.6	78.5	„	0.4					
3 „	.882	.238	71.4	68.0	3.4	66.3	.85	73.2	78.4	N b E	0.3					
4 „	.882	.262	70.5	67.0	3.5	65.1	.84	72.6	78.3	N	0.2					
5 „	.900	.304	69.8	66.0	3.8	63.9	.83	72.0	78.2	N b E	0.2					
6 „	.921	.291	69.6	67.0	2.6	65.6	.88	71.6	78.1	„	0.1					
7 „	.945	.326	70.6	67.0	3.6	65.1	.84	72.0	78.0	N	0.2					
8 „	.973	.357	72.4	67.5	4.9	64.9	.78	73.4	78.0	N b E	0.3					
9 „	.988	.377	74.4	68.0	6.4	64.7	.73	74.0	78.0	„	0.2					
10 „	.977	.362	76.4	68.8	7.6	64.9	.68	75.0	78.0	„	0.1					
11 „	.957	.397	77.8	67.6	10.2	62.0	.60	75.8	78.0	„	0.1	None.				
Noon.	.946	.405	82.2	68.5	13.7	61.0	.50	78.0	78.1	„	0.1		None.	None.	None.	None.
1 p. m.	.909	.321	83.8	70.4	13.4	63.5	.52	79.3	78.2	NW	0.1					
2 „	.895	.313	83.0	70.0	13.0	63.2	.53	79.2	78.2	NW b W	0.1					
3 „	.889	.256	83.2	71.5	11.7	65.7	.57	79.8	78.3	„	0.1					
4 „	.897	.276	82.6	71.0	11.6	65.2	.57	79.5	78.4	„	0.1					
5 „	.904	.290	78.7	69.5	9.2	64.8	.64	78.0	78.5	„	0.1					
6 „	.926	.286	76.3	69.5	6.8	66.1	.72	76.0	78.5	„	1.1					
7 „	.944	.303	74.6	69.0	5.6	66.1	.76	75.0	78.5	„	0.1					
8 „	.952	.313	73.6	68.6	5.0	66.0	.78	74.0	78.5	„	0.1					
9 „	.960	.334	73.0	68.0	5.0	65.4	.78	73.4	78.4	„	0.1					
10 „	.961	.282	72.8	69.5	3.3	67.9	.85	73.3	78.4	„	0.2					
11 „	.950	.285	73.2	69.2	4.0	67.2	.82	73.9	78.4	„	0.1					

Amount of Clouds 0—3.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ≀∿ cirro-cumuli; ⌒ cumuli; ∽ cirro-strati; ⌒ cumulo-strati; and ≀∿ nimbi.	
0	B	∿ scattered along W hor.	
0	C	Cloudless.	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	R	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°5 and 82°8. This was the 13th cloudless day during the year. The height of barometer at 9 A. M. was 30·036 in., greatest during the month, and about 0·084 in. greater than the normal mean.
0	C	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
0	R	,, ,,	
0	R	,, ,,	
0	R	Mist and fog around hor.	
0	R	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	B	Cloudless.	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	R	Cloudless; dew falling.	
0	R	,, ,,	
0	R	,, ,,	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°0 and 83°0. This was the 11th day on which the sky remained almost cloudless.
0	C	,,	
0	C	Cloudless; dew falling.	
0	C	,, ,,	
0	C	,, ,,	
0	R	,, ,,	
0	R	Mist and fog in hor.	
0	R	,, ,,	
0	R	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	B	Cloudless.	
0	C	,,	
0	C	A few ∿ in SW hor.	
0	C	,, ,,	
0	C	,, ,,	
0	R	Cloudless.	
0	R	,,	
0	R	,,	
0	R	Cloudless; dew falling.	
0	B	,, ,,	
0	B	,, ,,	
0	B	,, ,,	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point	Humidity of Air.	Ground Thermometers. Thermometer laid in the Ground.	Ground Thermometers. Thermometer 6 inches in Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 26th-Midnight	29.940	29.290	72°6	68°6	4°0	66°6	0·82	73°8	78°4	NW b W	0·2					
1 a. m.	.919	.282	72·0	68.0	4.0	65.9	.82	73.4	78.3	„	0.1					
2 „	.900	.289	71.4	67.0	4.4	64.7	.80	73.0	78.2	„	0.1					
3 „	.893	.290	70.7	66.5	4.2	64.3	.81	72.5	78.1	„	0.1					
4 „	.897	.299	70.2	66·2	4.0	64.0	.82	72.0	78.0	WNW	0.2					
5 „	.916	.347	69.4	65.0	4.4	62.5	.80	71.2	78.0	W	0.5					
6 „	.946	.317	69.7	67.0	2.7	65.5	.88	71.0	77.9	„	0·2					
7 „	.970	.351	70.6	67.0	3.6	65.1	.84	71.9	77.9	„	0.1					
8 „	.995	.325	72.6	68.0	4.6	65.6	.80	73.8	77.7	„	0.4					
9 „	30.012	.378	74.3	68.7	5.6	65.8	.76	74.0	77.8	„	0.1					
10 „	.010	.368	76.2	69.5	6.7	66.2	.72	74·8	77.8	„	0.1	None.	None.	None.	None.	None.
11 „	29.987	.368	78.5	69.6	8.9	65.1	.65	76.1	77.8	„	0.1					
Noon.	.962	.360	81.2	70.0	11.2	64.2	.58	78.0	77.9	„	0.1					
1 p. m.	.932	.293	82.7	71.5	11.2	66.0	.59	79.0	78·0	NW b W	0·1					
2 „	.910	.265	83.2	71.8	11.4	64.3	.58	79.5	78.1	„	0.1					
3 „	.899	.268	83.4	71.5	11.9	65.6	.56	80.0	78.3	WNW	0.1					
4 „	.907	.279	82·0	71.0	11.0	65.5	.59	79.5	78.4	„	0.1					
5 „	.916	.282	78.4	70.0	8.4	65.8	.67	78.0	78.4	NW b W	0.1					
6 „	.933	.275	76.2	70.0	6.2	66.9	.74	76.2	78.3	„	0.3					
7 „	.951	.280	75.0	70.0	5.0	67.5	.79	75.5	78.3	„	0.3					
8 „	.971	.309	74.6	69.6	5.0	67.1	.79	75.2	78.3	WNW	0.1					
9 „	.978	.323	73.4	69.0	4.4	66.8	.81	74.3	78.3	„	0.1					
10 „	.971	.331	72.7	68.3	4.4	66.1	.81	73.5	78.3	„	0.0					
11 „	.960	.297	72.6	69.0	3.6	67.2	.84	73.4	78.3	„	0.0					
Nov. 27th-Midnight	.947	.310	72.0	68.0	4.0	65.9	.82	73.0	78.2	NW b W	0.0					
1 a. m.	.929	.248	71.0	69.0	2.0	68·0	.91	72.5	78.1	„	0.0					
2 „	.919	.244	71.5	69.0	2.5	67.7	.89	73·0	78.1	„	0.0					
3 „	.913	.260	71.0	68.5	2.5	66.7	.89	72.6	78.0	„	0.0					
4 „	.914	.262	70·6	68·0	2.6	66.6	.88	72.2	78.0	„	0.0					
5 „	.927	.244	70.8	69.0	1.8	68.1	.92	72.0	38.0	NW b N	0.0					
6 „	.953	.294	70.0	68.0	2.0	67.0	.91	72.0	77·9	„	0.1					
7 „	.975	.324	70.7	68.0	2.7	66.6	.88	71.7	77.8	„	0.2					
8 „	.992	.301	73.2	70.0	3.2	68.4	.86	73.8	77.8	NNW	0.4					
9 „	30.012	.321	74.8	70.5	4.3	68.4	.82	74.2	77.8	„	0.1					
10 „	.008	.343	76.2	70.2	6.0	67.2	.75	75.2	77.8	N	0.2					
11 „	29 993	.409	78.3	68.5	9.8	63.3	.62	76.3	77.8	„	0.1	None.	None.	None.	None.	None.
Noon.	.966	.302	83.4	72.4	11.0	67.2	.59	78.9	77.9	„	0.1					
1 p. m.	.928	.247	83.8	73.0	10.8	68.0	.61	80.0	78.0	„	0.1					
2 „	.911	.221	84.4	73.4	11.0	68.4	.60	80.5	78.2	„	0.4					
3 „	.899	.251	83.5	72.0	11.5	66.5	.58	80.5	78.4	„	0.2					
4 „	.917	.276	82.5	71.5	11.0	66.1	.59	80.0	78.4	„	0.4					
5 „	.919	.244	79.5	71.5	8.0	67.7	.69	78.8	78.5	N b W	0.5					
6 „	.943	.234	78.0	72.0	6.0	69.2	.76	77.6	78.5	„	0.5					
7 „	.966	.266	77.2	71.5	5.7	68.8	.76	77.0	78.5	„	0.5					
8 „	.989	.269	77.0	72.0	5.0	69.7	.79	77.0	78.5	„	0·4					
9 „	30.004	.307	75.8	71.0	4.8	68.7	.80	76.0	78.5	„	0.0					
10 „	.007	.288	74.8	71.3	3.5	69.7	.85	75.3	78.5	„	0.0					
11 „	29.989	.307	74.0	70.0	4.0	68.0	·83	75.0	78.5	„	0.0					
Nov. 28th-Midnight	.981	.288	73.0	70·0	3.0	68.5	.87	74.0	78.5	N b W	0.0					
1 a. m.	.950	.257	73.0	70.0	3.0	68.5	.87	74.6	78.5	„	0.0					
2 „	.934	.236	73.2	70.2	3.0	68.7	·87	74·6	78.5	„	0.0					
3 „	.926	.256	72.0	69.0	3.0	67.5	.87	74.0	78·4	„	0.0					
4 „	.929	.263	71.8	68.8	3.0	67·3	.87	73.2	78.2	„	0·0					
5 „	.932	.262	72.0	69·0	3.0	67.5	.87	73.0	78.2	„	0.7	None.	None.	None.	None.	None.
6 „	.947	.301	71.2	68.0	3.2	66.4	.86	72.6	78.2	N b E	0.3					
7 „	.955	.283	71.8	69.0	2.8	67.6	.88	72·6	78.1	„	0.3					
8 „	.972	.269	73.4	70.4	3.0	69.0	·87	73.9	78.1	„	0.4					
9 „	.981	.335	75.4	69.4	6.0	66 9	.75	74.9	78.1	NNE	0.3					
10 „	.975	.321	76.5	70.0	6.5	66.7	.73	75.6	78.1	„	0.2					
11 „	.952	.293	77.4	70.4	7.0	67.0	.71	76.3	78.1	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to *denote the clouds* are: ⌇ cirri; ∿ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ∿ nimbi.	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 79°8 and 82°8. This was the 14th cloudless day during the year.
0	H	"	
0	H	Cloudless; dew falling.	
0	H	" "	
0	H	" "	
0	R	" "	
0	R	Cloudless.	
0	R	Mist and fog around hor.	
0	R	" "	
0	B	" "	
0	B	" "	
0	B	Cloudless.	
0	B	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	Cloudless; dew falling.	
0	B	" "	
0	B	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°7 and 82°7.
0	H	" "	
0	H	" "	
0	H	" "	
0	H	" "	
0	R	" "	
0	R	" "	
0	R	Mist and fog around hor.	
0	R	" "	
0	B	" "	
0	B	" "	
0	B	Mist along W hor.	
0	B	Cloudless.	
0	H	A few patches of ∿ above N hor.	
0	H	A few patches of ∿ above E hor.	
2	H	A few ∿ above ESE hor.; ⌇ scattered about N hor.	
6	H	⌇ scattered about, moving E; ∿ above ESE hor.	
4	R	⌇ scattered about, moving E.	
3	R	" "	
2	R	⌇ scattered about hor.	
1	R	" "	
0	B	Cloudless.	
0	B	Cloudless; dew falling.	
0	B	" "	
1	B	⌇ scattered along W hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°7 and 82°6.
1	H	" "	
1	H	" "	
5	H	⌇ scattered about, moving N; dew falling.	
3	H	⌇ scattered in W, NW, and N; dew falling.	
3	R	Light ⌇ scattered about; a lunar-halo; dew falling.	
6	R	⌇ scattered about, moving E; dew falling.	
7	R	⌇ scattered about, moving E; mist along W hor.	
5	R	⌇ scattered about; mist and fog in hor.	
6	B	" "	
7	B	" "	
7	B	⌇ scattered throughout, moving ENE.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Electrical Instruments. Interval of Time in seconds after the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 28th-Noon.	29.921	29.328	79°0	69°0	10°0	63°8	0.61	77°4	78°2	NNE	0.1			0		
1 p. m.	.885	.262	84.8	71.8	13.0	65.3	.54	80.4	78.3	,,	0.1					
2 ,,	.858	.234	84.0	71.5	12.5	65.3	.55	80.2	78.4	NNW	0.1					
3 ,,	.859	.235	84.0	71.5	12.5	65.3	.55	80.2	78.5	,,	0.2					
4 ,,	.867	.195	81.4	72.0	9.4	67.6	.64	79.6	78.5	NW b N	0.3					
5 ,,	.876	.221	78.7	70.7	8.0	66.8	.68	78.3	78.6	,,	0.5	None.	None.	None.	None.	None.
6 ,,	.895	.218	77.6	71.0	6.6	67.8	.73	77.4	78.6	,,	0.7					
7 ,,	.923	.239	77.0	71.0	6.0	68.1	.75	77.0	78.5	,,	0.6					
8 ,,	.945	.223	76.8	72.0	4.8	69.8	.80	76.9	78.5	,,	0.5					
9 ,,	.955	.288	75.4	70.0	5.4	67.3	.77	76.0	78.6	,,	0.3					
10 ,,	.958	.296	74.3	69.5	4.8	67.1	.79	75.3	78.6	,,	0.0					
11 ,,	.949	.268	73.7	70.2	3.5	68.0	.85	74.5	78.6	,,	0.1					
Nov. 29th-Midnight	.935	.252	73.9	70.0	3.9	68.1	.83	74.9	78.6	NW b N	0.0					
1 a. m.	.910	.240	72.0	69.0	3.0	67.5	.87	73.5	78.5	,,	0.0					
2 ,,	.890	.192	72.6	70.0	2.6	68.7	.89	74.0	78.4	,,	0.0					
3 ,,	.883	.192	71.8	69.5	2.3	68.4	.90	73.6	78.3	,,	0.0					
4 ,,	.882	.207	71.5	69.0	2.5	67.7	.88	73.4	78.2	,,	0.4					
5 ,,	.877	.215	71.2	68.5	2.7	67.1	.88	72.5	78.2	NNW	0.5					
6 ,,	.898	.256	70.0	67.5	2.5	66.2	.89	72.0	78.2	N b W	0.5					
7 ,,	.913	.267	71.2	68.0	3.2	66.4	.86	72.6	78.1	N	0.5					
8 ,,	.941	.259	74.0	70.0	4.0	68.0	.83	74.0	78.0	,,	0.5					
9 ,,	.959	.325	75.3	69.0	6.3	65.8	.73	74.7	78.1	,,	0.1					
10 ,,	.955	.332	77.9	69.5	8.4	65.3	.67	76.1	78.1	,,	0.1					
11 ,,	.938	.326	79.1	69.6	9.5	64.8	.63	76.9	78.1	,,	0.2					
Noon.	.910	.264	82.1	71.5	10.6	66.4	.60	78.7	78.2	,,	0.2	None.	None.	None.	None.	None.
1 p. m.	.876	.297	83.3	70.0	13.3	63.0	.52	79.6	78.4	NNW	0.2					
2 ,,	.858	.316	83.6	69.0	14.6	61.0	.49	80.0	78.5	,,	0.1					
3 ,,	.845	.316	83.3	68.5	14.8	60.3	.47	80.0	78.6	,,	0.1					
4 ,,	.847	.239	81.2	70.2	11.0	64.5	.59	79.5	78.6	,,	0.5					
5 ,,	.846	.216	78.7	70.0	8.7	65.6	.66	78.0	78.5	,,	0.2					
6 ,,	.875	.212	77.3	70.5	6.8	67.2	.72	77.0	78.5	,,	0.3					
7 ,,	.903	.222	76.0	70.6	5.4	68.0	.77	76.0	78.5	,,	0.2					
8 ,,	.921	.261	74.5	69.5	5.0	67.0	.79	75.0	78.5	,,	0.2					
9 ,,	.940	.283	74.8	69.2	4.6	66.9	.80	74.5	78.5	,,	0.0					
10 ,,	.938	.224	74.3	71.0	3.3	69.3	.86	74.9	78.5	,,	0.0					
11 ,,	.931	.241	73.3	70.0	3.3	68.5	.85	74.3	78.5	,,	0.0					
Nov. 30th-Midnight	.927	.263	72.5	69.0	3.5	67.2	.85	73.6	78.5	NNW	0.0					
1 a. m.	.900	.182	72.6	70.6	2.0	69.6	.91	73.6	78.4	,,	0.0					
2 ,,	.890	.204	72.6	69.6	3.0	68.2	.87	73.6	78.4	,,	0.0					
3 ,,	.889	.219	72.0	69.0	3.0	67.5	.87	73.3	78.3	,,	0.7					
4 ,,	.892	.244	71.0	68.0	3.0	66.5	.86	72.5	78.2	,,	0.3					
5 ,,	.901	.262	70.6	67.6	3.0	66.0	.86	71.8	78.2	,,	0.2					
6 ,,	.909	.260	70.9	68.0	2.9	66.5	.87	72.0	78.1	,,	0.4					
7 ,,	.944	.305	70.6	67.6	3.0	66.5	.86	72.0	78.2	,,	0.4					
8 ,,	.960	.303	71.4	68.4	3.0	66.9	.86	72.5	78.3	,,	0.3					
9 ,,	.972	.330	74.5	69.0	5.5	66.2	.77	74.0	78.0	,,	0.2					
10 ,,	.968	.296	76.5	70.5	6.0	67.6	.75	75.5	78.0	,,	0.4					
11 ,,	.962	.373	77.9	68.5	9.4	63.5	.63	76.2	78.0	,,	0.1					
Noon.	.939	.366	80.8	69.0	11.8	62.7	.56	77.5	78.0	,,	0.1	None.			None.	
1 p. m.	.900	.394	82.6	67.6	15.0	59.0	.47	79.2	78.2	,,	0.1					None.
2 ,,	.887	.303	86.0	71.0	15.0	63.3	.48	80.5	78.4	NW b N	0.1					
3 ,,	.875	.232	84.0	72.0	12.0	66.2	.57	80.7	78.4	NW b N	0.5					
4 ,,	.871	.269	81.2	70.0	11.2	64.2	.58	80.0	78.5	,,	0.6					
5 ,,	.890	.258	78.5	70.0	8.5	65.7	.67	78.0	78.4	,,	0.4					
6 ,,	.911	.262	77.0	70.0	7.0	66.5	.71	77.0	78.4	,,	0.3					
7 ,,	.931	.271	76.0	70.0	6.0	67.0	.75	76.6	78.5	,,	0.2					
8 ,,	.946	.263	75.5	70.5	5.0	68.1	.79	76.2	78.5	,,	0.2					
9 ,,	.971	.296	74.6	70.0	4.6	67.7	.80	75.0	78.5	,,	0.2					
10 ,,	.969	.249	73.7	71.0	2.7	69.7	.88	74.5	78.5	,,	0.2		+	2		
11 ,,	.960	.267	73.0	70.0	3.0	68.5	.87	74.0	78.3	,,	0.2		+	7		
													+	3		

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ⌢ cumulo-strati; and ≀∩ nimbi.	
7	B	≀ scattered throughout, moving ENE.	
5	H	≀ scattered about, moving NE.	
5	H	" "	
5	H	≀ scattered about, moving E.	
7	H	" "	
6	R	" "	
4	R	" "	
2	R	≀ scattered about hor.	
2	R	" "	
1	B	" "	
1	B	" "	
1	B	≀ scattered around hor.; dew falling.	
0	B	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°8 and 82°6.
0	H	" "	
0	H	" "	
0	H	" "	
2	H	≀ scattered above NW, N, and NE hor.; dew falling.	
2	R	≀ scattered along E hor.; dew falling.	
5	R	≀ scattered about, moving E.	
4	R	≀ scattered about, moving E; mist along W hor.	
6	R	≀ scattered throughout, moving E; mist and fog in hor.	
6	B	" " "	
5	B	" " "	
4	B	≀ scattered about.	
4	B	" "	
4	H	" "	
4	H	" "	
6	H	" "	
7	H	≀ scattered throughout, moving E.	
7	R	" "	
7	R	" "	
3	R	≀ scattered about.	
2	R	≀ scattered about hor.	
2	B	" "	
2	B	≀ scattered about hor.; dew falling.	
1	B	" "	
1	B	≀ scattered around hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°0 and 82°8.
1	H	" "	
3	H	" "	
4	R	≀ scattered about; dew falling.	
4	R	" "	
4	B	" "	
7	B	≀ scattered throughout; dew falling.	
7	H	≀ scattered about; mist along W hor.	
6	H	≀ scattered about; mist and fog in hor.; motion of clouds was N.	
7	R	≀ scattered about; a solar-halo; mist and fog in hor.; motion of clouds was NNE.	
7	R	≀ scattered about, moving ENE; light mist around hor.	
7	B	≀ scattered about, moving ENE.	
4	B	≀ scattered about, moving NNE.	
4	H	" "	
6	H	" "	
6	R	≀ scattered about, moving E.	
4	R	≀ scattered about, moving ENE.	
3	B	≀ scattered around hor.	
2	B	≀ scattered in E hem.	
1	H	≀ scattered about E hor.	
0	H	Cloudless, except in hor.	
1	R	≀ scattered about hor.; slight dew.	
2	R	" "	
1	B	≀ scattered along E hor.; dew falling.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture	Thermometers. In the Air.	Thermometers. Wet-Bulb Thermometer.	Thermometers. Depression of Wet-Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in the recovering same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 2nd-Midnight	29.965	29.400	72°6	66°0	6°6	62°3	0.72	73°1	78°2	N	0.4					
1 a. m.	.963	.337	73.0	68.0	5.0	65.4	.78	73.4	78.2	„	0.1					
2 „	.952	.348	72.0	67.0	5.0	64.3	.78	72.8	78.2	„	0.1					
3 „	.948	.313	72.2	68.0	4.2	65.8	.81	73.0	78.1	„	0.1					
4 „	.949	.336	70.2	67.0	3.2	64.8	.82	72.1	78.0	„	0.2					
5 „	.953	.346	70.6	66.6	4.0	64.5	.82	71.6	78.0	„	0.2					
6 „	.979	.413	70.0	65.0	5.0	62.1	.77	71.4	77.8	„	0.3					
7 „	30.013	.470	70.6	64.6	6.0	61.1	.73	71.5	77.7	„	0.5					
8 „	.035	.455	72.4	66.4	6.0	63.1	.74	73.0	77.6	N b E	0.5					
9 „	.035	.496	75.0	66.0	9.0	60.9	.63	74.0	77.7	NNE	0.5					
10 „	.017	.521	76.0	65.0	11.0	58.4	.56	75.0	77.7	NNE	0.7	None.				
11 „	29.991	.472	78.6	66.6	12.0	59.8	.54	77.0	77.7	NE b N	0.6					
Noon.	.945	.468	80.6	66.0	14.6	57.2	.47	78.0	77.7	NE	0.8					
1 p. m.	.920	.534	83.0	64.0	19.0	51.0	.35	79.2	77.9	„	0.2					
2 „	.895	.456	84.5	66.2	18.3	54.7	.39	80.0	77.9	„	0.1					
3 „	.877	.499	85.1	64.5	20.6	50.3	.32	80.9	78.0	NE b N	0.2					
4 „	.877	.299	83.4	70.0	13.4	64.0	.52	80.3	78.1	N b W	0.5					
5 „	.881	.288	79.0	69.0	10.0	63.8	.61	79.0	78.2	„	0.6					
6 „	.900	.230	77.2	69.2	8.0	65.1	.68	77.4	78.2	„	0.8					
7 „	.925	.301	76.2	69.0	7.2	65.3	.70	76.7	78.3	„	0.7					
8 „	.943	.294	75.8	69.6	6.2	66.5	.74	76.5	78.2	„	0.5					
9 „	.957	.279	74.4	70.0	4.4	67.8	.81	75.0	78.2	„	0.4					
10 „	.952	.267	73.7	70.0	3.7	68.1	.84	74.5	78.2	N	0.5		+	20	20	0.01
11 „	.949	.283	72.4	69.0	3.4	67.3	.85	73.5	78.2	„	0.1		+	20	20	0.01
Dec. 3rd-Midnight	.945	.343	72.2	67.0	5.2	64.2	.77	73.5	78.2	N	0.0		+	7	7	0.02
1 a. m.	.940	.371	72.8	66.2	6.6	62.5	.72	73.5	78.1	„	0.3		+	4	4	1.00
2 „	.930	.397	72.6	65.0	7.6	60.5	.68	73.1	78.0	„	0.3		+	2		Above 10m.
3 „	.913	.340	72.5	66.2	6.3	62.7	.73	73.0	78.0	„	0.5		+	6	6	0.20
4 „	.909	.404	71.0	63.5	7.5	58.9	.68	72.1	77.8	NNE	0.8					
5 „	.913	.448	70.5	62.0	8.5	56.5	.63	71.7	77.6	NE	0.8					
6 „	.935	.470	70.5	62.0	8.5	56.5	.63	71.7	77.6	NE b E	0.8					
7 „	.975	.502	71.2	62.5	8.7	57.0	.63	71.8	77.6	ENE	0.7					
8 „	.995	.516	73.6	63.6	10.0	57.3	.59	73.0	77.6	„	0.7					
9 „	30.012	.536	75.8	64.3	11.5	57.2	.55	74.5	77.5	„	0.5					
10 „	.002	.499	78.3	66.0	12.3	58.8	.53	76.0	77.5	„	0.6					
11 „	29.985	.436	80.0	68.0	12.0	61.4	.55	77.9	77.6	„	0.4	None.	+	1		Above 10m.
Noon.	.961	.468	82.0	67.0	15.0	58.2	.46	79.0	77.7	„	0.5					
1 p. m.	.931	.396	84.2	69.0	15.2	60.6	.47	80.1	77.9	„	0.1					
2 „	.910	.315	85.0	71.0	14.0	63.9	.51	81.0	78.0	„	0.1					
3 „	.895	.377	85.7	69.0	16.7	59.7	.44	81.0	78.1	„	0.2					
4 „	.884	.364	84.0	68.5	15.5	59.8	.46	80.9	78.3	„	0.1					
5 „	.897	.307	80.8	69.5	11.3	63.6	.58	80.0	78.4	„	0.2		+	2		Above 10m.
6 „	.902	.335	78.5	71.0	7.5	67.3	.70	78.7	78.4	„	0.4		+	1		Above 10m.
7 „	.923	.257	77.0	70.5	6.5	67.3	.73	77.5	78.4	NE	0.5		+	1		Above 10m.
8 „	.941	.324	75.6	68.6	7.0	65.0	.71	77.0	78.4	„	0.5		+	1		Above 10m.
9 „	.947	.278	75.2	70.0	5.2	67.4	.78	76.0	78.3	„	0.5		+	6	6	0.10
10 „	.959	.309	73.8	69.0	4.8	66.6	.79	75.0	78.3	„	0.6		+	9	9	0.15
11 „	.940	.354	72.2	66.5	5.7	63.4	.75	73.5	78.3	„	0.5		+	10	10	0.10
Dec. 4th-Midnight	.930	.317	71.2	67.0	4.2	64.8	.81	73.0	78.3	NNE	0.3		+	2		Above 10m.
1 a. m.	.922	.350	72.0	66.0	6.0	62.7	.74	73.1	78.3	„	0.2		+	4		3.15
2 „	.907	.347	71.3	65.4	5.9	62.0	.74	72.8	78.2	„	0.1		+	4		2.00
3 „	.903	.344	71.1	65.3	5.8	62.0	.75	72.3	78.1	„	0.1		+	6		0.56
4 „	.907	.376	70.8	64.3	6.5	60.6	.71	72.0	78.0	NE b N	0.5					
5 „	.915	.444	70.0	62.0	8.0	56.8	.64	71.2	77.6	NE	0.5	None.	+	2		Above 10m.
6 „	.936	.465	70.0	62.0	8.0	56.8	.64	71.0	77.6	„	0.5		+	1	None.	Above 10m.
7 „	.956	.431	70.5	64.0	6.5	60.1	.71	71.5	77.6	„	0.4		+	1		Above 10m.
8 „	.965	.432	72.6	65.0	7.6	60.5	.68	73.0	77.6	„	0.5		+	2		5.10
9 „	.987	.484	75.4	65.0	10.4	60.0	.58	74.0	77.6	NE b E	0.5					
10 „	.991	.498	77.8	65.5	12.3	58.2	.53	75.8	77.6	ENE	0.5					
11 „	.979	.454	79.2	67.0	12.2	60.1	.54	77.0	77.6	„	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒≀ cumuli; ⌣≀ cirro-strati; ⌒≀ cumulo-strati; and ≀≀ nimbi.	
2	R	≀ scattered here and there.	Mean daily temperature of ground 20 and 60 inches below its surface 80°0 and 83°0.
1	B	≀ scattered around hor.	
1	B	,, ,,	
1	B	≀ scattered around hor.; dew falling.	
2	B	,, ,,	
2	H	,, ,,	
3	H	≀ scattered along E hor.	
5	H	≀ scattered about hor.; mist along W hor.	
3	H	≀ scattered along E hor.; mist and fog in hor.	
2	R	,, ,,	
2	R	,, ,,	
2	R	≀ scattered along E hor.; mist along W hor.	
2	R	≀ scattered along E hor.	
1	B	,, ,,	
1	B	,, ,,	
1	B	,, ,,	
1	B	,, ,,	
1	H	,, ,,	
1	H	,, ,,	
1	H	,, ,,	
1	H	,, ,,	
0	R	A few ≀ in E hor.	
0	R	Light ≀ scattered here and there; dew falling.	
0	R	,, ,,	
0	R	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°0 and 83°0.
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	H	,,	
0	H	A few light ≀ along E hor.; mist around hor.	
0	R	Mist and fog around hor.	
0	H	,, ,,	
0	R	,, ,,	
0	R	A few ≀ and mist along W hor.	
2	R	≀ scattered around hor.; mist along W hor.	
1	R	≀ scattered about, moving E; mist in W hor.	
0	B	A few ≀ around hor.	
0	B	,, ,,	
0	B	,, ,,	
0	B	Cloudless.	
1	H	≀ scattered along W hor.	
1	H	,, ,,	
1	H	,, ,,	
1	H	,, ,,	
2	R	≀ scattered above W and N hor.	
3	R	≀ scattered about.	
2	R	≀ scattered about hor.	
1	R	≀ scattered about E hor.	Mean daily temperature of ground 20 and 60 inches below its surface 80°0 and 83°1. At 3 P. M. the reading of Air Thermometer was 87°0, greatest in the month, and about 4°8 greater than the normal reading for that hour.
1	B	,, ,,	
0	B	Cloudless.	
0	B	,,	
0	B	,,	
1	H	≀ scattered along E hor.	
1	H	≀ scattered along E hor.; mist in hor.	
0	H	A few ≀ in E hor.; mist and fog in hor.	
0	H	,, ,,	
1	R	≀ scattered around hor.; mist and fog in hor.	
1	R	,, ,,	
1	R	≀ scattered around hor.; mist along W hor.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 4th-Noon.	29.953	29.424	81°8	68°0	13°8	60°3	0.50	78°5	77°7	ENE	0.5					
1 p. m.	.925	.453	83.9	67.0	16.9	56.9	.42	79.8	77.3	NE b E	0.2					
2 „	.896	.469	85.0	66.0	19.0	53.9	.36	80.5	77.8	„	0.2					
3 „	.884	.336	87.0	70.3	16.7	61.4	.44	81.9	78.0	„	0.1					
4 „	.889	.218	84.7	73.0	11.7	67.5	.58	81.4	77.8	„	0.2	None.	None.	None.	None.	None.
5 „	.909	.258	80.0	71.0	9.0	66.6	.65	76.0	77.4	NNE	0.6					
6 „	.923	.274	77.0	70.0	7.0	66.5	.71	75.0	77.2	N	0.8					
7 „	.941	.253	76.6	71.0	5.6	68.3	.77	74.5	77.5	N b W	0.7					
8 „	.947	.276	75.0	70.0	5.0	67.5	.79	73.7	77.5	„	0.5					
9 „	.952	.368	72.7	66.6	6.1	63.3	.74	72.0	77.4	„	0.2					
10 „	.952	.330	73.4	68.0	5.4	65.2	.77	72.0	77.3	„	0.5					
11 „	.948	.369	71.4	66.0	5.4	63.0	.76	71.3	77.3	„	0.5					
Dec. 5th-Midnight	.933	.348	70.8	66.0	4.8	63.3	.79	70.9	77.2	N b W	0.4					
1 a. m.	.933	.372	70.0	65.0	5.0	62.1	.77	70.2	77.1	„	0.0					
2 „	.924	.413	70.5	63.5	7.0	59.3	.69	69.8	77.1	„	0.1					
3 „	.907	.320	71.2	66.2	5.0	63.4	.78	70.2	77.0	„	0.1					
4 „	.904	.335	70.5	65.4	5.1	62.5	.77	70.0	76.9	„	0.0					
5 „	.917	.371	69.8	64.4	5.4	61.3	.76	69.5	76.8	„	0.5					
6 „	.928	.364	69.8	65.0	4.8	62.2	.78	69.4	76.7	N b E	0.5					
7 „	.940	.350	70.4	66.0	4.4	63.6	.80	70.1	76.6	NNE	0.4					
8 „	.962	.449	71.6	64.0	7.6	59.4	.68	70.6	76.6	„	0.2					
9 „	.988	.468	73.8	65.0	8.8	59.8	.64	71.0	76.6	„	0.4					
10 „	.974	.453	76.6	66.0	10.6	59.9	.58	73.0	76.6	„	0.4					
11 „	.967	.465	78.4	66.0	12.4	58.7	.52	74.0	76.7	„	0.3	None.	None.	None.	None.	None.
Noon.	.933	.457	80.7	66.0	14.7	57.2	.47	74.9	76.7	„	0.2					
1 p. m.	.915	.413	84.2	68.0	16.2	58.7	.44	76.5	76.8	„	0.1					
2 „	.900	.332	84.3	70.0	14.3	62.5	.50	77.3	76.9	„	0.1					
3 „	.887	.377	84.0	68.2	15.8	59.2	.45	77.6	77.0	„	0.1					
4 „	.884	.364	82.6	68.0	14.6	59.8	.48	77.5	77.3	„	0.1					
5 „	.890	.317	79.6	68.6	11.0	62.7	.58	77.0	77.4	„	0.2					
6 „	.895	.287	77.6	69.0	8.6	64.4	.68	76.0	77.4	„	0.3					
7 „	.915	.280	76.4	69.4	7.0	65.8	.71	75.2	77.5	„	0.1					
8 „	.938	.287	75.6	69.6	6.0	66.6	.75	75.0	77.5	„	0.3					
9 „	.956	.291	74.0	69.5	4.5	67.2	.81	73.5	77.3	„	0.1					
10 „	.958	.349	73.0	67.5	5.5	64.6	.76	73.0	77.3	N b E	0.0					
11 „	.944	.309	72.2	68.0	4.2	65.8	.81	72.0	77.3	NNE	0.0					
Dec. 6th-Midnight	.941	.315	73.0	68.0	5.0	65.4	.78	73.0	77.3	N b E	0.7					
1 a. m.	.934	.338	71.6	66.6	5.0	63.9	.78	72.2	77.3	„	0.5					
2 „	.919	.370	71.2	65.0	6.2	61.4	.73	71.4	77.3	NNE	0.3					
3 „	.917	.310	71.7	67.0	4.7	64.5	.80	71.4	77.2	„	0.4					
4 „	.922	.313	71.5	67.0	4.5	64.6	.80	71.1	77.1	„	0.4					
5 „	.925	.363	70.0	65.0	5.0	62.1	.77	70.5	77.0	„	0.2					
6 „	.937	.407	68.8	63.5	5.3	60.4	.76	69.5	76.8	„	0.3					
7 „	.968	.406	70.0	65.0	5.0	62.1	.77	70.2	76.8	„	0.2					
8 „	.995	.397	72.5	67.0	5.5	64.0	.76	72.0	76.8	„	0.2					
9 „	30.001	.431	73.7	66.5	7.2	62.6	.70	72.5	76.8	„	0.2					
10 „	.005	.434	75.0	67.0	8.0	62.6	.67	73.0	76.8	„	0.0	None.	None.	None.	None.	None.
11 „	29.991	.401	79.3	69.0	10.3	63.6	.60	75.1	76.8	„	0.0					
Noon.	.958	.365	82.0	70.0	12.0	63.8	.56	76.8	76.9	„	0.1					
1 p. m.	.932	.389	83.0	68.8	14.2	61.1	.49	77.3	77.0	„	0.1					
2 „	.908	.426	83.0	67.0	16.0	57.5	.44	77.7	77.1	„	0.2					
3 „	.905	.396	83.5	68.0	15.5	59.2	.46	78.1	77.2	„	0.1					
4 „	.903	.369	82.6	68.4	14.2	60.6	.49	78.3	77.3	„	0.1					
5 „	.916	.329	79.5	69.0	10.5	63.4	.60	77.4	77.4	„	0.2					
6 „	.925	.285	77.8	70.0	7.8	66.1	.69	76.5	77.5	„	0.5					
7 „	.955	.302	76.6	70.0	6.6	66.7	.73	76.0	77.5	„	0.3					
8 „	.970	.321	75.5	69.5	6.0	66.5	.75	75.2	77.6	„	0.2					
9 „	.999	.351	74.0	69.0	5.0	66.5	.78	74.0	77.5	„	0.1					
10 „	.989	.363	73.0	68.0	5.0	65.4	.78	73.0	77.5	„	0.2					
11 „	.982	.347	72.2	68.0	4.2	65.8	.81	72.5	77.4	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇ cirri; ⌇⌇ cirro-cumuli; ⌒ cumuli; ⌒⌇ cirro-strati; ⌒⌇ cumulo-strati; and ⌇⌒⌇ nimbi.	
0	R	A few ⌇ in S hor.; mist in W hor.	
0	B	A few ⌇ along E hor.	
0	B	" "	
1	B	⌇ scattered about, moving E.	
0	B	A few ⌇ along E hor.	
0	H	" "	
0	H	" "	
0	H	" "	
0	H	" "	
0	R	" "	
0	R	Cloudless.	
0	R	"	
0	R	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 83°1. This was the 12th day on which the sky remained almost cloudless.
0	B	" "	
0	B	Cloudless.	
0	B	"	
0	B	"	
0	H	"	
0	H	A few ⌇ along E hor.; mist around hor.	
0	H	A few ⌇ along E hor.; mist and fog in hor.	
0	H	" "	
0	R	Mist along W hor.	
0	R	"	
0	R	"	
0	R	"	
0	B	Cloudless.	
0	B	"	
0	B	"	
0	B	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	R	Cloudless; dew falling.	
0	R	" "	
0	R	" "	
0	R	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°1 and 83°0.
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	H	A few ⌇ along E hor.	
3	H	⌇ scattered about hor.	
1	H	⌇ scattered above N hor.; mist and fog in hor.	
0	H	A few ⌇ in N hor.; mist and fog in hor.	
0	R	" "	
0	R	Mist along W hor.	
0	R	" "	
0	R	Cloudless.	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	R	"	
0	R	"	
0	R	"	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 7th-Midnight	29.977	29.284	73°0	70°0	3°0	68°5	0.87	72°6	77°4	NNE	0.0					
1 a. m.	.966	.358	71.6	67.0	4.6	64.5	.79	72.0	77.4	„	0.0					
2 „	.956	.344	71.3	67.0	4.3	64.7	.81	72.0	77.3	„	0.0					
3 „	.943	.327	71.5	67.2	4.3	64.9	.81	72.0	77.3	„	0.0					
4 „	.942	.340	70.8	66.5	4.3	64.2	.81	71.6	77.1	„	0.0					
5 „	.943	.308	70.4	67.4	3.0	65.8	.86	71.5	77.1	„	0.0					
6 „	.951	.327	70.2	67.0	3.2	65.3	.85	71.2	77.0	„	0.2					
7 „	.979	.348	71.0	67.5	3.5	65.6	.84	71.8	76.9	„	0.4					
8 „	.995	.358	72.0	68.0	4.0	65.9	.82	72.1	77.0	„	0.5					
9 „	30.000	.354	74.2	69.0	5.2	66.4	.78	73.0	77.0	„	0.0					
10 „	29.993	.369	76.2	79.0	7.2	65.3	.70	74.7	77.0	„	0.1					
11 „	.972	.349	79.4	70.0	9.4	65.3	.63	76.7	77.0	„	0.6	None.	None.	None.	None.	None.
Noon.	.940	.331	81.2	70.2	11.0	64.6	.59	77.5	77.2	„	0.7					
1 p. m.	.913	.276	81.9	71.2	10.7	65.9	.60	77.1	77.3	NW b W	0.6					
2 „	.897	.225	83.0	72.5	10.5	67.6	.61	79.0	77.4	„	0.6					
3 „	.886	.192	82.7	73.0	9.7	68.6	.64	79.2	77.5	NW	0.5					
4 „	.886	.175	81.2	73.0	8.2	69.3	.68	78.8	77.6	NW b W	0.7					
5 „	.898	.217	78.3	71.3	7.0	68.0	.72	77.3	77.6	„	0.8					
6 „	.909	.223	77.2	71.1	6.1	68.2	.75	76.5	77.6	„	0.5					
7 „	.925	.234	76.4	71.0	5.4	68.4	.77	76.0	77.6	„	0.8					
8 „	.938	.243	76.0	71.0	5.0	68.6	.79	75.8	77.6	NW	0.8					
9 „	.950	.296	75.0	69.5	5.5	66.7	.77	75.0	77.6	NW b N	0.4					
10 „	.943	.339	73.5	67.5	6.0	64.3	.74	73.8	77.6	„	0.3					
11 „	.930	.361	72.3	66.0	6.3	62.5	.73	73.3	77.6	„	0.0					
Dec. 9th-Midnight	.950	.359	73.2	67.0	6.2	63.8	.73	73.5	77.9	N b W	0.4					
1 a. m.	.947	.401	72.6	65.4	7.2	61.3	.69	73.1	77.8	„	0.2					
2 „	.936	.365	72.1	66.0	6.1	62.6	.73	72.5	77.7	„	0.3					
3 „	.933	.369	71.3	65.5	5.8	62.2	.74	72.0	77.7	„	0.0					
4 „	.926	.377	71.3	65.0	6.2	61.4	.73	71.9	77.6	N	0.0					
5 „	.915	.384	70.0	64.0	6.0	60.4	.73	71.0	77.5	„	0.0					
6 „	.926	.450	69.6	62.0	7.6	57.2	.66	70.5	77.3	„	0.2					
7 „	.954	.411	70.6	64.6	6.0	61.1	.73	71.0	77.3	„	0.1					
8 „	.976	.493	72.2	63.2	9.0	57.6	.62	72.6	77.3	„	0.1					
9 „	.995	.435	76.0	67.0	9.0	62.0	.64	74.5	77.2	N b W	0.4					
10 „	.987	.424	78.7	68.0	10.7	62.2	.59	76.0	77.2	„	0.5					
11 „	.973	.380	80.5	69.5	11.0	63.8	.59	77.3	77.2	NNW	0.7					
Noon.	.939	.320	82.8	71.0	11.8	65.1	.57	79.0	77.3	N b W	0.2	None.	None.	None.	None.	None.
1 p. m.	.913	.293	82.7	71.0	11.7	65.1	.57	79.1	77.3	WNW	0.6					
2 „	.900	.246	83.0	72.0	11.0	66.7	.59	79.8	77.5	„	1.0					
3 „	.898	.247	81.7	71.5	10.2	66.6	.62	79.2	77.6	„	1.5					
4 „	.900	.307	79.7	69.2	10.5	63.8	.60	78.0	77.7	„	1.5					
5 „	.902	.295	77.7	69.0	8.7	64.5	.65	77.0	77.7	„	1.0					
6 „	.915	.280	76.8	69.5	7.3	65.8	.70	76.6	77.9	„	1.7					
7 „	.937	.251	76.8	71.0	5.8	68.2	.76	76.6	78.0	„	1.5					
8 „	.947	.252	76.0	71.0	5.0	68.6	.79	76.0	78.0	„	1.5					
9 „	.970	.290	74.2	70.0	4.2	67.9	.82	75.0	77.9	NW b W	0.5					
10 „	.972	.339	72.4	68.0	4.4	65.9	.81	73.5	77.9	WNW	0.2					
11 „	.958	.317	71.6	68.0	3.6	66.1	.84	72.7	77.8	„	0.5					
Dec. 10th-Midnight	.948	.333	71.0	67.0	4.0	64.9	.82	72.0	77.6	WNW	0.4					
1 a. m.	.942	.409	69.8	64.0	5.8	60.5	.75	70.8	77.5	„	0.4					
2 „	.928	.422	69.5	63.0	6.5	59.0	.71	70.4	77.4	„	0.1					
3 „	.929	.409	68.8	63.2	5.6	59.8	.75	70.0	77.4	„	0.0					
4 „	.937	.440	68.2	62.2	6.0	58.4	.72	69.2	77.3	NW b W	0.2					
5 „	.939	.452	67.4	61.4	6.0	57.8	.72	69.0	77.2	„	0.2					
6 „	.951	.477	67.0	61.0	6.0	57.0	.72	68.5	77.0	„	0.2	None.	None.	None.	None.	None.
7 „	.982	.504	68.2	61.6	6.6	57.3	.70	69.0	76.8	„	0.1					
8 „	30.010	.545	70.5	62.0	8.5	56.5	.63	71.0	76.8	WNW	0.3					
9 „	.013	.549	73.4	63.0	10.4	56.4	.57	72.2	76.7	„	0.4					
10 „	.018	.469	77.0	67.0	10.0	61.4	.60	74.5	76.6	„	0.1					
11 „	29.989	.446	79.0	67.5	11.5	61.1	.56	76.7	76.7	NW b N	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒≀ cumuli; ⌣≀ cirro-strati; ⌒≀ cumulo-strati; and ≀≀ nimbi.	
0	R	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 82°9. This was the 14th cloudless day during the year.
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	H	,,	
0	H	Mist around hor.	
0	H	Mist and fog around hor.	
0	H	,, ,,	
0	R	,, ,,	
0	R	,, ,,	
0	R	Mist along W hor.	
0	R	Cloudless.	
0	B	Mist along E hor.	
0	B	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	B	Cloudless.	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	R	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 82°9.
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	H	,,	
1	H	Light mist around hor.	
1	H	≀ scattered about SE hor.; mist and fog around hor.	
0	H	≀ scattered along E hor.; mist and fog around hor.	
0	R	A few ≀ in E hor.; mist and fog around hor.	
0	R	Mist around hor.	
0	R	A few ≀ in SE and S hor.	
1	R	≀ scattered along E hor.	
1	B	,, ,,	
1	B	,, ,,	
1	B	≀ scattered along E hor.; mist along E hor.	
1	B	,, ,,	
1	H	,, ,,	
3	H	≀ scattered about hor.; mist in hor.	
2	H	≀ scattered about hor.	
2	H	,, ,,	
1	R	,, ,,	
1	R	,, ,,	
0	R	A few ≀ in E hor.	
0	R	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°9 and 82°8.
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	H	,,	
0	H	A few ≀ in E hor.; mist around hor.	
0	H	A few ≀ in E hor.; mist and fog around hor.	
0	H	,, ,,	
0	R	,, ,,	
0	R	A few ≀ in hor.; mist along W hor.	
0	R	,, ,,	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 10th-Noon.	29.955	29.391	80°1	68°5	11°6	62°2	0.56	77°0	76°7	W	0.6					
1 p. m.	.929	.386	81.2	68.2	13.0	61.0	.52	78.0	76.9	NW b W	0.7					
2 „	.908	.270	81.2	71.0	10.2	66.0	.61	78.1	76.9	WNW	1.2					
3 „	.901	.294	80·8	70.0	10.8	64.5	.60	78.1	77.0	NW b W	0.7					
4 „	.906	.301	79.5	69.5	10.0	64.4	.62	77.8	77.1	WNW	1.0					
5 „	.915	.296	76.6	69.0	7.6	65.1	.69	76.6	77.2	NW b W	1.0					
6 „	.918	.287	75.5	69.0	6.5	65.6	.73	75.7	77.3	NW	1.5	None.	None.	None.	None.	None.
7 „	.940	.288	75·2	69.5	5.7	66.6	.76	75 5	77.3	„	2.0					
8 „	.950	.311	74.8	69.0	5.8	66.0	.75	75.0	77.4	„	2.5					
9 „	.960	.343	73.8	68.0	5.8	65.0	.75	74.0	77.3	„	1.5					
10 „	.950	.331	73.6	68.0	5.6	65.1	.76	74.0	77.2	„	1.5					
11 „	.942	.400	71.8	65.0	6.8	61.0	.71	72.2	77.2	NNW	0.8					
Dec. 11th-Midnight	.923	.392	70·0	64.0	6.0	60.4	.73	70.0	77.0	NNW	0.8					
1 a. m.	.918	.430	69.0	62.2	6.8	57.9	.69	70.0	77.0	„	0.5					
2 „	.905	.444	68.2	61.0	7.2	56.2	.67	69.3	76.9	NW b N	0.2					
3 „	.900	.470	67.0	59.5	7.5	54.1	.65	68.2	76.7	NNW	0.2					
4 „	.898	.453	67·0	60.0	7.0	55.2	.68	68.2	76.6	NW b N	0.2					
5 „	.895	.413	67.4	61.4	6.0	57.5	.72	68.8	76.5	„	0.2					
6 „	.898	.442	66.0	60.0	6.0	55.9	.71	68.0	76.4	„	0.3					
7 „	.934	.464	66.8	60.8	6.0	56.8	.72	68.1	76.3	NNW	0.2					
8 „	.964	.489	70.2	62.2	8.0	57.1	.64	70.4	76.3	N	0·2					
9 „	.969	.429	72.0	65.0	7.0	60.9	.70	71.5	76.2	NNE	0.5					
10 „	.960	.421	75.0	66.0	9.0	60.9	.63	73.5	76.1	N b E	0.4					
11 „	.941	.392	77.0	67.0	10.0	61.4	.60	75.0	76.1	WNW	0.4	None.	None.	None.	None.	None.
Noon.	.924	.355	78.2	68.0	10.2	62.5	.60	76.7	76.2	„	1.0					
1 p. m.	.906	.326	80.2	69.0	11.2	63·1	·58	77.0	76·3	NW b W	1.0					
2 „	.886	.316	80.5	68·8	11.7	62.6	.56	77.3	76.4	WNW	1.0					
3 „	.873	.265	80.7	70.0	10.7	64.5	·61	77.8	76.5	„	1.0					
4 „	.870	.265	79.5	69.5	10.0	64.4	.62	77.5	76.7	„	0.7					
5 „	.888	.269	76.6	69.0	7.6	65.1	.69	76·7	76.7	„	1.5					
6 „	.880	.267	75.4	68.4	7.0	64.8	.71	75.5	76.7	NW b W	3.5					
7 „	.892	.321	75.0	67.0	8.0	62.6	.67	75.1	76.7	NW	2.0					
8 „	.905	.372	73.8	65.4	8.4	60.5	.66	74.0	76.8	NW b N	0.7					
9 „	.907	.365	71·8	65.0	6.8	61.0	.71	72.3	76.8	NW	0.7					
10 „	.902	.351	71.0	65.0	6·0	61.5	.73	71.8	76.7	„	0.7					
11 „	.883	.354	70.2	64.0	6.2	60.3	.72	71.0	76.6	„	0.7					
Dec. 12th-Midnight	.869	.331	69.4	64.0	5.4	60.8	.77	70.4	76.5	NW	0.5					
1 a. m.	.864	.352	69.0	63.0	6.0	59.3	.73	70.2	76.5	„	0.1					
2 „	.850	.413	67.7	60.0	7.7	54.6	·65	69.0	76.4	„	0.1					
3 „	.847	.382	67.8	61.0	6.8	56.6	.69	69.0	76.3	„	0.2					
4 „	.848	.396	67.1	60.3	6.8	55.6	.68	68.3	76.1	„	0.1					
5 „	.852	.432	66.6	59.0	7.6	53.4	.65	68.0	75.9	NW b N	0.1					
6 „	.857	.430	66.0	59.0	7.0	53.9	.67	67.7	75.8	„	0.2					
7 „	.886	.363	68.0	63.0	5.0	60.0	.77	69.0	75.8	„	0.3		+	2		Above 10m.
8 „	.901	.303	71.7	66.7	5.0	64.0	.78	71.3	75.7	NNW	0.5		+	2		0.10
9 „	.916	.359	73.4	66.0	7.4	61.9	.69	72.5	75.7	„	0.4		+	1		0.50
10 „	.912	.387	76.3	66.0	10.3	60.1	·59	74.5	75.7	NW	0.3					
11 „	.892	.317	79.4	68.6	10.8	62.8	.59	76.1	75.8	NW b N	0.5	None.				
Noon.	.859	.273	79.6	69.0	10.6	63.4	.60	77.0	76.0	NW	0.7					
1 p. m.	.838	.262	80.5	69.0	11.5	62.9	.57	77.5	76.1	NW b W	0.7					
2 „	.822	.229	80.5	69.5	11.0	63.8	.59	77.8	76.2	WNW	0.8					
3 „	.808	.215	80.5	69.5	11.0	63.8	.59	77.8	76.3	„	1.3					
4 „	.802	.181	79.5	70.0	9.5	65.2	.63	77.6	76.4	„	0.5					
5 „	.818	.212	76.6	68.6	8.0	64.5	.68	76.4	76.6	„	0.5					
6 „	.820	.178	75.0	69.2	6.0	66.2	.75	75.6	76.6	NW b W	0.7					
7 „	.851	.216	74.6	69.0	5.6	66.2	.81	75.6	76.8	„	0.4					
8 „	.863	.203	74.5	69.5	5.0	67.1	.79	75.0	76.8	NW	0.3		+	8	8	0.08
9 „	.876	.194	74.0	70·0	4.0	68·0	.83	74.1	76.6	„	0.3					
10 „	.873	.238	72.2	68.0	4.2	65·8	.81	73.0	76.5	NW b N	0.5					
11 „	.866	.222	71.4	68.0	3.4	66.3	.85	72·4	76.5	NW b W	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤ cirro-cumuli; ≤ cumuli; ≤ cirro-strati; ≤ cumulo-strati; and ≤ nimbi.	
0	R	A few ≤ in E hor.; mist along W hor.	
0	B	A few ≤ in E hor.; mist around hor.	
0	B	Light ≤ and mist along E hor.	
0	B	Light mist along E hor.	
0	B	" "	
0	H	" "	
0	H	" "	
0	H	Cloudless.	
0	H	"	
0	R	Cloudless; fresh breezes of wind blowing.	
0	R	" "	
0	R	" "	
0	R	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°8 and 82°7.
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	H	"	
0	H	A few ≤ in E hor.; mist around hor.	
1	H	≤ scattered along E hor.; mist and fog around W. hor.	
1	H	" "	
0	R	A few ≤ in E hor.; mist and fog around hor.	
0	R	Mist in hor.	
0	R	Cloudless.	
0	R	"	
0	B	Mist along E hor.	
0	B	" "	
0	B	" "	
0	B	" "	
0	H	" "	
0	H	Cloudless; fresh breezes of wind blowing.	
0	H	" "	
0	H	Cloudless.	
0	R	"	
0	R	"	
0	R	"	
0	R	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°6 and 82°5. This was the 15th cloudless day during the year. The temperature of evaporation at 5 and 6 A.M. was 59°0, lowest in the month, and 8°3 lower than the normal mean.
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	H	"	
0	H	Mist around hor.	
0	H	Mist and fog around hor.	
0	H	" "	
0	R	" "	
0	R	Mist in hor.	
0	R	"	
0	R	"	
0	B	Light mist along E hor.	
0	B	" "	
0	B	" "	
0	B	" "	
0	H	" "	
0	H	" "	
0	H	Cloudless.	
0	H	"	
0	R	"	
0	R	"	
0	R	"	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Electrical Instruments. Interval of Time in the recovering same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 13th-Midnight	29.846	29.231	71°0	67°0	4°0	64°9	0.82	72°0	76.5	NW b W	0.0					
1 a. m.	.847	.266	69.8	65.5	4.3	63.1	.80	71.0	76.4	„	0.0					
2 „	.842	.233	69.5	66.3	3.2	64.6	.85	70.5	76.3	„	0.0					
3 „	.831	.284	68.6	64.0	4.6	61.3	.79	69.5	76.3	„	0.0					
4 „	.834	.259	68.8	65.0	3.8	62.8	.83	69.8	76.3	NNW	0.0					
5 „	.847	.259	68.2	65.2	3.0	63.5	.86	69.7	76.1	„	0.0					
6 „	.855	.247	67.6	65.6	2.0	64.5	.91	69.4	76.0	NW b N	0.1					
7 „	.879	.306	69.0	66.0	4.0	62.7	.82	70.4	76.0	NE b N	0.2					
8 „	.900	.293	71.2	66.8	4.4	64.5	.80	71.5	76.0	NE	0.2					
9 „	.899	.288	73.1	67.6	5.5	64.7	.76	72.6	76.0	„	0.5					
10 „	.910	.299	74.4	68.0	6.4	64.7	.73	73.1	76.0	NE b N	0.4					
11 „	.886	.284	76.4	68.4	8.0	64.2	.67	74.7	76.0	„	0.4	None.				
Noon.	.854	.235	79.7	70.0	9.7	65.1	.63	76.5	76.1	WNW	0.2					
1 p. m.	.838	.280	79.2	68.0	11.2	61.9	.57	76.3	76.2	„	0.8					
2 „	.821	.222	80.0	69.5	10.5	64.1	.60	77.2	76.3	„	0.7					
3 „	.802	.193	80.6	70.0	10.6	64.6	.60	77.8	76.4	„	0.8					
4 „	.802	.163	79.2	70.4	8.8	66.0	.65	77.3	76.5	„	0.6					
5 „	.806	.153	76.6	70.0	6.6	66.7	.73	76.0	76.5	„	0.6					
6 „	.834	.197	75.0	69.0	6.0	65.9	.75	75.0	76.5	NW b W	0.6					
7 „	.855	.209	74.2	69.0	5.2	66.4	.78	74.5	76.5	„	0.4					
8 „	.868	.184	73.8	70.0	3.8	68.1	.83	74.2	76.5	„	0.5					
9 „	.876	.210	72.4	69.0	3.4	67.3	.85	73.5	76.5	NW	0.4		+	8	6	0.10
10 „	.875	.227	71.0	68.0	3.0	66.5	.86	72.0	76.6	„	0.3		+	10	8	0.05
11 „	.852	.226	70.0	67.0	3.0	65.4	.86	71.6	76.6	„	0.2		+	2		Above 10m.
Dec. 14th-Midnight	.848	.275	69.0	65.0	4.0	62.7	.82	70.6	76.4	N	0.0		+	6	4	1.10
1 a. m.	.874	.277	68.6	65.6	3.0	64.0	.86	70.0	76.3	N b E	0.0					
2 „	.867	.307	68.2	64.3	3.9	62.0	.82	69.6	76.3	„	0.0					
3 „	.864	.263	68.8	65.8	3.0	64.2	.86	69.8	76.2	N	0.1					
4 „	.869	.316	68.0	64.0	4.0	61.6	.81	69.1	76.1	N b E	0.1					
5 „	.881	.269	68.4	66.0	2.4	64.7	.89	69.4	76.0	„	0.1					
6 „	.899	.315	68.0	65.0	3.0	63.3	.86	69.0	75.9	„	0.3					
7 „	.927	.349	68.5	65.0	3.5	63.0	.84	69.6	75.8	„	0.2					
8 „	.958	.347	71.4	67.0	4.4	64.7	.80	71.4	75.8	N	0.3					
9 „	.969	.341	72.8	68.0	4.8	65.5	.79	72.5	75.8	„	0.2					
10 „	.975	.414	74.1	66.4	7.7	62.1	.68	73.4	75.9	N b E	0.1					
11 „	.951	.249	78.0	71.8	6.2	68.1	.75	75.6	76.0	WNW	0.2	None.				
Noon.	.929	.194	79.0	73.0	6.0	70.3	.76	77.0	76.1	„	0.5		+	2		Above 10m.
1 p. m.	.899	.159	79.6	73.3	6.3	70.5	.75	77.2	76.2	NW b W	0.7		+	1		Above 10m.
2 „	.872	.108	79.7	74.0	5.7	71.5	.77	77.6	76.2	WNW	0.7					
3 „	.865	.100	79.6	74.0	5.6	71.6	.78	77.6	76.3	„	0.8					
4 „	.864	.108	78.8	73.5	5.3	71.2	.79	77.4	76.5	„	0.5					
5 „	.862	.098	76.4	73.0	3.4	71.5	.85	76.3	76.5	„	0.5					
6 „	.874	.129	74.7	72.0	2.7	70.7	.88	75.3	76.5	„	0.5					
7 „	.892	.175	74.0	71.0	3.0	69.6	.87	74.7	76.5	NW	0.3					
8 „	.916	.199	74.0	71.0	3.0	69.6	.87	74.5	76.6	„	0.2					
9 „	.926	.169	73.6	72.0	1.6	71.2	.93	74.0	76.6	NW b W	0.1					
10 „	.933	.173	73.4	72.0	1.4	71.4	.94	74.0	76.7	„	0.1					
11 „	.921	.157	73.0	72.0	1.0	71.5	.95	73.9	76.7	NW	0.2					
Dec. 16th-Midnight	.924	.160	73.0	72.0	1.0	71.5	.95	73.9	77.0	WNW	0.7					
1 a. m.	.915	.194	73.0	70.8	2.2	69.7	.90	73.8	77.0	„	0.4					
2 „	.900	.175	73.3	71.0	2.3	69.9	.90	73.8	77.0	„	0.7					
3 „	.891	.162	71.6	70.6	1.0	70.1	.95	72.4	77.0	NW b W	0.5					
4 „	.885	.170	71.0	70.0	1.0	69.5	.95	72.0	77.0	NNW	0.5					
5 „	.896	.177	70.6	70.0	0.6	69.7	.97	71.7	77.0	„	0.4	None.	None.	None.	None.	None.
6 „	.908	.199	70.0	69.5	0.5	69.2	.98	71.5	76.8	N b W	0.2					
7 „	.950	.235	71.0	70.0	1.0	69.5	.95	72.0	76.7	„	0.3					
8 „	.966	.262	72.0	70.0	2.0	69.0	.91	73.0	76.7	NNE	0.6					
9 „	.993	.286	73.6	70.6	3.0	69.1	.87	73.6	76.7	„	0.8					
10 „	.992	.295	75.8	71.0	4.8	68.7	.80	75.0	76.7	„	0.8					
11 „	.974	.269	78.4	72.0	6.4	69.0	.74	76.8	76.7	„	0.7					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
0	H	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°3 and 82°5. This was the 13th day on which the sky remained almost cloudless. The height of barometer at 4 P. M. was 29·802, least in the month, and about 0·084 in. less than the normal height.
0	B	"	
0	B	Cloudless; dew falling.	
0	B	" "	
0	B	" "	
0	H	" "	
0	H	A few ≀ in E hor.; mist around hor.	
0	H	A few ≀ in E hor.; mist and fog in hor.	
0	H	Mist and fog around hor.	
0	R	" "	
0	R	" "	
0	R	Mist around hor.	
0	R	"	
0	B	Light mist along E hor.	
0	B	" "	
0	B	" "	
0	B	" "	
0	R	" "	
0	R	Cloudless.	
0	R	"	
0	R	"	
0	H	Cloudless; dew falling.	
0	H	" "	
0	H	" "	
0	H	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°3 and 82°5. This was the 16th or the last cloudless day during the year.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	R	" "	
0	R	" "	
0	R	Mist and fog in hor.	
0	R	" "	
0	H	" "	
0	H	" "	
0	H	Mist along N hor.	
0	H	" "	
0	B	Cloudless.	
0	B	"	
0	B	"	
0	B	"	
0	R	"	
0	R	"	
0	R	Cloudless; dew falling.	
0	R	" "	
0	R	" "	
0	R	" "	
0	R	" "	
0	R	Cloudless; dew falling copiously.	Mean daily temperature of ground 20 and 60 inches below its surface 80°5 and 82°7. The reading of Wet-Bulb Thermometer at 2 P. M. was 74°6, highest in the month, and only 3°4 higher than the normal mean.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	H	" "	
2	H	≀ scattered along E hor., moving E; dew falling.	
5	H	≀ and ≀ scattered about hor., moving ESE; mist and fog in hor.	
2	H	≀ scattered above ESE hor.; mist and fog around hor.	
3	R	" " "	
4	R	" " "	
3	R	" " "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds during the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 16th-Noon.	29.939	29.208	81·0	73·5	7·5	70·2	0.71	78·0	76·9	NE b N	0.2			0		
1 p. m.	.914	.197	80.6	73.0	7.6	69.6	.70	78.0	77.0	W	0.4					
2 „	.892	.117	80.8	74.6	6.2	72.0	.76	78.1	77.1	„	0.5					
3 „	.884	.108	80.4	74.5	5.9	72·0	.76	78.2	77·2	W b N	0.8					
4 „	.881	.093	79·3	74.5	4.8	72·5	.80	78.0	77.3	WNW	1·0	None.	None.	None.	None.	None.
5 „	.885	.128	77.0	73.0	4.0	71.2	.83	77.0	77.4	„	0.8					
6 „	.893	.135	75.6	72.6	3.0	71.3	.87	76.0	77.4	„	1.0					
7 „	.911	.169	75.0	72.0	3.0	70.6	.87	75.5	77.5	NW b W	0.7					
8 „	.930	.188	75.0	72.0	3.0	70.6	.87	75.5	77.5	NW	0.5					
9 „	.952	.206	74.6	72.0	2.6	70.8	.89	75.0	77.3	„	0.5					
10 „	.949	.191	73.5	72.0	1.5	71.3	.93	74.0	77.2	„	0.2					
11 „	.942	.240	72.2	70.0	2.2	68.9	.90	73.0	77.2	NW b N	0.6					
Dec. 17th-Midnight	.934	.288	71.2	68.0	3.2	66.4	.86	72·0	77.2	NNW	0.6					
1 a. m.	.927	.277	70.8	68.0	2.8	66.6	.87	71.8	77.1	NW b N	0.2					
2 „	.919	.323	70.4	66·2	4.2	63.9	.81	71·2	77.0	„	0.2					
3 „	.910	·312	69.6	66.0	3.6	64.0	.84	70.5	77.0	„	0.4					
4 „	.911	.338	69.0	65.0	4.0	62.7	.82	70.1	76.9	N b W	0.1					
5 „	.911	.331	68.4	65.0	3.4	63.1	.84	70.0	76.7	„	0.1					
6 „	.921	.363	67.5	64.0	3.5	61.9	.84	69.0	76.6	„	0.1					
7 „	.955	.373	68·2	65.0	3.2	63.2	.85	69.7	76.5	„	0.2					
8 „	.980	·347	71.8	67.8	4·0	65.7	.82	71.6	76.5	„	0.4					
9 „	.982	.348	73.8	68.5	5.3	65.8	.77	73.0	76.5	„	0.2					
10 „	.974	.317	76.3	70.0	6.3	66.9	.74	74.8	76.4	NNE	0.2					
11 „	.946	.308	78.0	70.0	8.0	66.0	.68	76.1	76.5	N b E	0.5					
Noon.	.921	.276	80.9	71.0	9.5	66.3	.64	76.5	76.5	NNE	0.2	None.	None.	None.	None.	None.
1 p. m.	.893	.232	80.4	71.4	9.0	67.1	.65	77.4	76.6	WNW	0.5					
2 „	.869	.186	81.0	72.2	8.8	68.1	.66	78.0	76.7	„	0.8					
3 „	.860	.174	80.9	72.3	8.6	68.2	.67	78.3	76.9	„	0.8					
4 „	.852	·128	80.0	73.0	7.0	69.9	.72	78.0	76.9	„	0.8					
5 „	.855	.153	77.0	71.5	5.5	68.9	.77	76.7	76.8	NW b W	0.5					
6 „	.859	.157	75.4	71.0	4.4	68.9	.81	76.0	76.9	„	0.7					
7 „	.874	.168	75.0	71.0	4.0	69.1	.83	75.6	77.0	NW	0.6					
8 „	.888	.182	75.0	71.0	4.0	69.1	.83	75.0	77.1	„	0.5					
9 „	.898	.169	74.6	71.5	3.1	70.1	.87	75.0	77.1	„	0.7					
10 „	.906	.187	73.8	71.0	2.8	69.7	.89	74.0	77.0	NW b N	0.6					
11 „	.910	.217	73.0	70.0	3.0	68.5	.87	73.5	77.0	„	0.6					
Dec. 18th-Midnight	.898	.258	71.7	68.0	3.7	66.1	.84	72.6	77.0	NW b N	0.1					
1 a. m.	.894	.290	70·6	66·5	4.1	64.3	.82	71.6	76.8	„	0.1					
2 „	.892	.291	70.2	66.3	3.9	64.2	.82	71.2	76.8	„	0.1					
3 „	.887	.282	69.0	66.0	3.0	64.4	.86	70.3	76.7	NNW	0.0					
4 „	.888	.243	69.5	67.4	2.1	66.3	.90	70.5	76.6	„	0.0					
5 „	.898	.274	68·4	66.4	2.0	65.3	.91	70.2	76.5	„	0.0					
6 „	.916	.332	68.0	65.0	3.0	63.3	.86	69.8	76.4	„	0.0					
7 „	.943	.385	67.5	64.0	3.5	61.9	.84	69·0	76.3	„	0.2					
8 „	.971	.356	71.0	67.0	4.0	64.9	.82	71.1	76.2	N	0.4					
9 „	.989	.334	73.4	69.0	4.4	66.8	.81	72.9	76.2	NNE	0.4					
10 „	.991	.329	75·8	70.0	5.8	67.1	.76	74.4	76.2	„	0.5					
11 „	.969	.322	78.8	70.5	8.3	66.4	.67	76.0	76.3	„	0.2	None.	+ +	1	None.	Above 10m.
Noon.	.941	.250	79.6	72.0	7.6	68.4	.70	77.0	76.5	WNW	0.5			1		Above 10m.
1 p. m.	.917	.243	81·2	72.0	9.2	67.7	.65	77.9	76.5	NW	0.6				None.	
2 „	.896	.248	82.2	71.6	10.6	66.5	.60	78.5	76.6	WNW	0.5					
3 „	.893	.175	82.6	73.6	9.0	69.6	.66	79.2	76.8	NW b W	0.7					
4 „	.891	.178	81.0	73.0	8.0	69.4	.69	79.0	76.9	„	0.8					
5 „	.901	.192	78.0	72·0	6.0	69.2	.76	77.4	77.0	NW	0.5					
6 „	.903	.298	76.0	71.0	5.0	68.6	.79	76.2	77·0	„	1.3					
7 „	.919	.203	75.4	71.4	4.0	69.5	.83	75.8	77.0	„	0.2					
8 „	.934	.210	75.0	71.5	3.5	69.9	.85	75.4	77.0	„	0.1					
9 „	.946	.264	74.0	70.0	4.0	68.0	.83	74.2	77.0	NW b N	0.5					
10 „	.944	.281	72.6	69.0	3.6	67.2	.84	73.0	77.0	NNW	0.4					
11 „	.935	.327	71.6	67.0	4.6	64.5	.80	72.5	77.0	„	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀∩ nimbi.	
3	R	≀ scattered above ESE hor.; mist and fog around hor.	
2	B	≀≀ above N hor.; ≀ scattered along E hor.	
2	B	"	
0	B	A few ≀ and ≀≀ in E and N hor.	
0	B	" "	
2	H	≀≀ above N hor.; ≀ scattered from E to W above hor.	
2	H	≀ scattered above hor. from E to W.	
2	H	" "	
3	H	≀ scattered about.	
2	R	≀ scattered about hor.; dew falling.	
1	R	" "	
0	R	A few ≀ around hor.; dew falling.	
0	R	A few ≀ in E hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°4 and 82°6.
0	B	Cloudless; dew falling.	
0	B	" "	
1	B	≀ scattered along E hor.; dew falling.	
1	B	" "	
0	H	A few ≀ above NNE hor.; dew falling.	
0	H	A few ≀ above NNE hor.; mist around hor.	
1	H	≀ scattered along E hor.; mist and fog in hor.	
1	H	" "	
1	R	" "	
1	R	" "	
0	R	A few ≀ along E hor.; mist in hor.	
0	R	Mist around hor.	
0	B	Mist along E hor.	
0	B	" "	
0	B	" "	
0	B	" "	
0	H	" "	
0	H	" "	
0	H	Cloudless.	
0	H	"	
0	R	"	
0	R	Cloudless; dew falling.	
0	R	" "	
0	R	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°3 and 82°5. This was the 14th day on which the sky remained nearly cloudless.
0	B	"	
0	B	"	
0	B	Cloudless; slight dew.	
0	B	Cloudless; dew falling.	
0	H	" "	
0	H	A few ≀ along E hor.; mist and fog in hor.	
0	H	" "	
0	H	" "	
0	R	" "	
0	R	Mist in hor.	
0	R	"	
0	R	Cloudless.	
0	B	Light mist along E hor.	
0	B	" "	
0	B	" "	
0	B	" "	
0	H	" "	
0	H	" "	
0	H	Cloudless.	
0	H	"	
0	R	"	
0	R	"	
0	R	"	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in seconds from same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 19th-Midnight	29.929	29.378	71°0	65°0	6°0	61°5	0.73	71°8	76°9	NNW	0.2			p		
1 a. m.	.915	.360	71.2	65.2	6.0	61.8	.73	71.7	76.8	N b W	0.1					
2 „	.902	.285	70.8	67.0	3.8	65.0	.83	71.3	76.6	N	0.1					
3 „	.885	.243	71.5	68.0	3.5	66.2	.84	72.0	76.5	NNE	0.1					
4 „	.894	.279	71.0	67.0	4.0	64.9	.82	71.8	76.5	„	0.2					
5 „	.899	.273	70.0	67.0	3.0	65.4	.86	70.8	76.5	„	0.1					
6 „	.918	.331	69.2	65.5	3.7	63.4	.83	70.2	76.4	„	0.1					
7 „	.957	.350	69.4	66.2	3.2	64.5	.85	70.2	76.3	„	0.2					
8 „	.981	.436	71.5	65.0	6.5	61.2	.72	71.4	76.3	„	0.1					
9 „	.995	.386	74.5	68.0	6.5	64.6	.73	73.8	76.4	„	0.2					
10 „	.992	.366	76.0	69.0	7.0	65.4	.71	74.8	76.4	„	0.2					
11 „	.967	.308	78.0	70.6	7.4	67.0	.70	76.0	76.4	NE b N	0.2	None.			None.	
Noon.	.933	.319	81.7	70.5	11.2	64.8	.58	78.0	76.5	NNW	0.4		+	1		None.
1 p. m.	.904	.237	81.8	72.0	9.8	67.3	.63	78.1	76.6	NW	0.3		+	4	None.	
2 „	.882	.151	82.7	74.0	8.7	70.2	.67	79.1	76.7	„	0.8		+	2		
3 „	.865	.137	83.0	74.0	9.0	70.0	.66	80.0	76.9	„	0.8					
4 „	.861	.148	81.0	73.0	8.0	69.4	.69	79.6	77.1	WNW	0.8		+	2		
5 „	.863	.117	78.0	73.0	5.0	70.8	.79	77.8	77.1	NW b W	0.8		+	1		
6 „	.884	.153	76.0	72.0	4.0	70.2	.83	76.0	77.1	NW	0.7					
7 „	.908	.187	75.6	71.6	4.0	69.8	.83	75.6	77.1	„	2.7					
8 „	.934	.231	75.3	71.0	4.3	69.0	.82	75.5	77.1	„	2.6					
9 „	.950	.291	73.0	69.0	4.0	67.0	.82	74.0	77.1	NW b N	1.0					
10 „	.956	.319	72.0	68.0	4.0	65.9	.82	73.0	77.1	NNW	0.5					
11 „	.948	.304	71.4	68.0	3.4	66.3	.85	72.0	77.0	„	0.2					
Dec. 20th-Midnight	.931	.316	71.0	67.0	4.0	64.9	.82	72.0	77.0	NNW	0.1					
1 a. m.	.919	.312	70.3	66.5	3.8	64.5	.83	71.4	76.9	„	0.0					
2 „	.912	.377	69.6	64.0	5.6	60.6	.75	70.7	76.8	„	0.0					
3 „	.898	.334	69.8	65.0	4.8	62.2	.78	70.7	76.6	„	0.0					
4 „	.898	.287	70.2	66.6	3.6	64.7	.84	71.0	76.5	„	0.0					
5 „	.909	.290	70.6	67.0	3.6	66.1	.84	71.4	76.4	N	0.0					
6 „	.927	.304	70.3	67.0	3.3	65.3	.85	71.3	76.4	N b E	0.0					
7 „	.956	.365	70.3	66.0	4.3	63.7	.81	71.3	76.3	„	0.2					
8 „	.985	.381	72.0	67.0	5.0	64.3	.78	72.2	76.2	„	0.1		+	1		Above 10m.
9 „	.999	.436	74.6	66.6	8.0	62.2	.67	73.8	76.3	NNE	0.5					
10 „	.990	.414	77.5	68.0	9.5	62.9	.63	76.5	76.4	„	0.5					
11 „	.976	.325	80.0	71.0	9.0	66.6	.65	77.5	76.5	„	0.4	None.				
Noon.	.935	.292	82.7	71.6	11.1	66.2	.59	79.0	76.5	NW	0.5					
1 p. m.	.903	.194	83.0	73.5	9.5	69.2	.65	79.6	76.7	„	0.5					
2 „	.886	.187	82.9	73.2	9.7	68.8	.64	79.9	76.8	„	0.8					
3 „	.876	.157	82.1	73.5	8.6	69.7	.67	79.6	76.9	„	0.8					
4 „	.876	.159	80.6	73.0	7.6	69.6	.70	78.5	77.0	„	0.6					
5 „	.878	.132	78.0	73.0	5.0	70.8	.79	77.5	77.1	„	0.5		+	8	6	0.25
6 „	.887	.119	76.0	73.0	3.0	71.7	.87	76.5	77.1	„	0.5		+	10	8	0.07
7 „	.900	.111	75.4	73.4	2.0	72.6	.91	76.0	77.1	„	0.7		+	14	12	0.10
8 „	.912	.096	75.0	74.0	1.0	73.6	.96	75.4	77.1	„	0.6		+	8	8	0.20
9 „	.935	.205	72.8	71.0	1.8	70.1	.92	73.6	77.2	NNW	0.6		+	Out of Sc.	35	0.10
10 „	.937	.281	71.8	68.5	3.3	66.8	.85	72.7	77.1	NW b N	0.7		+	Out of Sc.	35	0.15
11 „	.929	.281	71.0	68.0	3.0	66.5	.86	72.0	77.0	„	0.6		+	Out of Sc.	30	0.20
Dec. 21st-Midnight	.913	.205	71.6	70.0	1.6	69.2	.93	72.5	77.0	N b W	0.6		+	20	20	0.20
1 a. m.	.910	.313	72.6	67.0	5.6	64.0	.76	72.6	76.9	NNE	0.5		+	1		Above 10m.
2 „	.899	.374	71.1	64.2	6.9	60.1	.70	71.6	76.9	N	0.4					
3 „	.895	.331	71.6	65.6	6.0	62.2	.74	71.7	76.8	„	0.2					
4 „	.898	.340	70.4	65.0	5.4	61.9	.76	71.0	76.6	NNW	0.2					
5 „	.910	.324	69.6	65.6	4.0	63.4	.82	70.8	76.5	„	0.2	None.	+	6	4	1.10
6 „	.933	.349	68.0	65.0	3.0	63.3	.86	70.0	76.4	„	0.1		+	4	2	1.40
7 „	.961	.345	68.0	66.0	2.0	64.9	.91	69.8	76.3	„	0.1		+	16	14	0.07
8 „	.989	.499	71.0	63.0	8.0	58.0	.65	71.2	76.2	N b W	0.2		+	4		3.40
9 „	30.007	.459	74.2	66.0	8.2	61.4	.66	73.0	76.4	N b W	0.4		+	2		4.00
10 „	.003	.457	76.4	66.7	9.7	61.3	.61	75.0	76.4	NNE	0.5		+	1		3.10
11 „	29.987	.433	79.5	68.0	11.5	61.7	.57	77.0	76.4	„	0.3		+	1		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀∩ nimbi.	
0	R	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°3 and 82°5.
0	B	"	
0	B	Cloudless; dew falling.	
0	H	" "	
0	H	" "	
0	R	" "	
0	R	A few ≀ along E hor.; dew falling.	
0	B	A few ≀ along E hor.; mist and fog in hor.	
0	B	" "	
3	H	≀ scattered in W, NW, and N; mist and fog around hor.	
5	H	≀ scattered about, moving N; mist and fog in hor.	
5	R	≀ scattered about; mist along W hor.	
6	R	" "	
2	B	≀ scattered about hor.	
3	B	" "	
4	H	≀ scattered about.	
4	H	" "	
5	R	" "	
3	R	" "	
3	B	≀ scattered about; fresh breezes of wind from NW.	
1	B	≀ scattered along E hor.	
1	H	" "	
1	H	" "	
0	R	A few ≀ in E hor.	
0	R	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°3 and 82°6.
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless; dew falling.	
0	H	" "	
1	H	≀ scattered along E hor.; dew falling.	
2	H	≀ scattered along E hor.; mist and fog in hor.	
0	H	A few ≀ above E hor.; mist and fog in hor.	
0	R	" "	
0	R	A few ≀ above SE hor.; mist in hor.	
0	R	" "	
0	R	A few ≀ above E and SE hor.; light mist in hor.	
0	B	A few ≀ in E and SE hor.	
0	B	A few ≀ in SE and S hor.; mist along E hor.	
0	B	" "	
0	B	" "	
0	H	" "	
0	H	" "	
0	H	Cloudless.	
0	H	"	
0	R	Cloudless; dew falling.	
0	R	" "	
0	R	"	
0	R	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°3 and 82°6.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	H	" "	
0	H	A few ≀ along hor.; mist around hor.	
2	H	≀ scattered above E, SE, and S hor.; mist and fog in hor.	
1	H	≀ scattered about SE hor.; mist and fog in hor.	
2	R	" "	
0	R	A few ≀ in S hor.; mist around hor.	
0	R	" "	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 feet in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds for same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 21st-Noon.	29.949	28.318	81°8	71°0	10°8	65°6	0.60	78°5	76°5	WNW	0.4		+	1		Above 10m.
1 p. m.	.929	.308	83.3	71.2	12.1	65.2	.56	79.2	76.6	NW	0.5					
2 „	.906	.273	83.2	71.5	11.7	65.7	.57	79.5	76.7	„	0.8					
3 „	.899	.232	81.8	72.0	9.8	67.3	.62	79.1	76.9	„	1.0					
4 „	.900	.320	80.2	69.0	11.2	63.1	.58	78.2	77.0	„	0.8					
5 „	.905	.256	77.0	70.0	7.0	66.5	.71	77.3	77.1	„	0.8	None.			None.	
6 „	.918	.183	75.6	72.0	3.6	70.3	.85	76.0	77.1	„	1.0					
7 „	.924	.182	75.0	72.0	3.0	70.6	.87	75.4	77.1	„	0.8					
8 „	.952	.199	74.0	72.0	2.0	71.1	.91	74.0	77.2	„	0.7					
9 „	.965	.391	71.8	66.0	5.8	62.0	.75	72.6	77.2	NNW	0.5					
10 „	.962	.379	71.0	66.0	5.0	63.2	.78	72.0	77.2	„	0.4					
11 „	.952	.389	70.2	65.1	5.1	62.2	.77	71.7	77.1	„	0.2					
Dec. 23rd-Midnight	.944	.337	71.7	67.0	4.7	64.5	.80	72.5	77.0	N	0.3		+	1		Above 10m.
1 a. m.	.936	.340	70.4	66.2	4.2	63.9	.81	71.3	77.0	N b W	0.0		+	1		Above 10m.
2 „	.929	.325	69.9	66.3	3.6	64.3	.84	71.1	76.9	„	0.0					
3 „	.927	.376	71.0	65.0	6.0	61.5	.73	71.6	76.9	N	0.0					
4 „	.929	.346	71.0	66.0	5.0	63.2	.78	71.7	76.7	NNE	0.2					
5 „	.936	.321	71.0	67.0	4.0	64.9	.82	71.7	76.6	„	0.1					
6 „	.952	.358	70.0	66.0	4.0	63.8	.82	71.3	76.5	„	0.1					
7 „	.968	.426	70.4	64.5	5.9	61.0	.74	71.4	76.5	„	0.2					
8 „	.995	.402	73.0	67.0	6.0	63.8	.75	73.1	76.5	NE b N	0.4					
9 „	30.013	.408	74.9	68.0	6.9	64.4	.71	74.0	76.5	„	0.5					
10 „	.002	.452	76.9	67.0	9.9	61.5	.61	75.2	76.5	NNE	0.4					
11 „	29.987	.460	79.0	67.0	12.0	60.2	.54	76.9	76.5	„	0.2					
Noon.	.964	.460	82.5	67.5	15.0	58.9	.47	78.5	76.6	„	0.1	None.	+	1	None.	Above 10m.
1 p. m.	.936	.383	85.6	70.0	15.6	61.6	.47	80.2	76.7	WNW	0.1					
2 „	.915	.298	83.0	71.0	12.0	65.0	.56	80.0	76.9	„	0.7					
3 „	.907	.279	82.0	71.0	11.0	65.5	.59	79.5	77.0	„	0.6					
4 „	.906	.240	80.6	71.6	9.0	67.3	.66	79.0	77.1	„	0.4					
5 „	.911	.273	78.0	70.0	8.0	66.0	.68	77.8	77.2	„	0.7					
6 „	.915	.289	76.0	69.0	7.0	65.4	.71	77.0	77.2	„	0.5					
7 „	.927	.301	76.0	69.0	7.0	65.4	.71	76.4	77.3	„	0.7					
8 „	.948	.311	75.0	69.0	6.0	65.9	.75	76.0	77.4	NW	0.6					
9 „	.964	.435	73.0	65.0	8.0	60.3	.66	73.5	77.4	NNW	0.2					
10 „	.964	.448	71.4	64.0	7.4	59.6	.68	72.4	77.2	„	0.2					
11 „	.953	.340	71.2	67.0	4.2	64.8	.81	72.4	77.0	„	0.1		+	4		Above 10m.
Dec. 24th-Midnight	.950	.342	71.6	67.0	4.6	64.5	.80	72.4	77.0	NNE	0.0		+	20	20	Above 10m.
1 a. m.	.949	.425	71.8	64.4	7.4	60.0	.67	72.2	76.9	„	0.0					
2 „	.943	.439	70.6	63.3	7.3	58.9	.68	71.6	76.8	„	0.0					
3 „	.937	.440	70.4	63.0	7.4	58.4	.67	71.1	76.6	„	0.0					
4 „	.940	.443	70.4	63.0	7.4	58.4	.67	71.0	76.5	„	0.1					
5 „	.946	.462	70.4	62.4	8.0	57.6	.64	71.0	76.5	N	0.2		+	4		Above 10m.
6 „	.957	.460	70.4	63.0	7.4	58.4	.67	71.0	76.3	„	0.2		+	2		Above 10m.
7 „	.989	.518	70.0	62.0	8.0	56.8	.64	71.0	76.3	N b E	0.3		+	1		Above 10m.
8 „	30.008	.529	72.0	63.0	9.0	57.3	.61	72.2	76.2	NNE	0.2		+	1		Above 10m.
9 „	.025	.538	74.0	64.0	10.0	57.8	.59	73.3	76.2	N b E	0.3					
10 „	.018	.583	76.0	63.0	13.0	54.5	.49	74.8	76.2	„	0.7					
11 „	.001	.598	78.8	63.0	15.8	52.2	.42	76.4	76.3	N	0.6					
Noon.	29.966	.455	83.4	68.0	15.4	59.3	.46	79.0	76.4	NW b W	0.5	None.				
1 p. m.	.934	.387	81.7	68.5	13.2	61.3	.52	78.5	76.5	„	0.4					
2 „	.913	.340	82.3	69.5	12.8	62.7	.53	79.0	76.6	NW	0.6					
3 „	.898	.272	82.2	71.0	11.2	65.4	.58	79.2	76.7	WNW	0.8					
4 „	.890	.281	80.6	70.0	10.6	64.6	.60	78.9	76.8	„	0.7					
5 „	.894	.282	77.9	69.2	8.7	64.7	.65	77.2	76.9	NW	0.7					
6 „	.905	.312	76.0	68.0	8.0	63.8	.67	75.8	76.9	„	0.8					
7 „	.934	.395	75.6	66.2	9.4	60.9	.62	75.5	76.9	„	1.0					
8 „	.948	.344	75.0	68.0	7.0	64.3	.71	75.2	76.9	„	1.2					
9 „	.963	.400	73.7	66.3	7.4	62.2	.69	74.0	76.9	NW b N	0.5					
10 „	.967	.436	70.0	64.0	6.0	60.4	.73	72.0	75.9	NNW	0.1		+	6		1.00
11 „	.963	.468	70.5	63.0	7.5	58.3	.68	71.5	76.8	„	0.1		+	4		1.56

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈≈ cirro-cumuli; ∩∩ cumuli; ≈∩ cirro-strati; ∩∩∩ cumulo-strati; and ≈∩∩ nimbi.	
0	R	A few ≈ in S hor.; mist around hor.	
0	B	A few ≈ in SE hor.; light mist in SE hor.	
0	B	" "	
0	B	" "	
0	B	" "	
0	H	" "	
0	H	" "	
0	H	Cloudless.	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	R	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°2 and 82°5. This was the 15th day on which the sky remained almost cloudless.
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	H	"	
0	H	A few ≈ in E hor.; light mist around hor.	
0	H	A few ≈ in E hor.; mist and fog around hor.	
0	H	" "	
0	R	" "	
0	R	" "	
0	R	Mist in hor.	
0	R	"	
0	B	"	
0	B	Cloudless.	
0	B	"	
0	B	Light mist in E hor.	
0	H	" "	
0	H	" "	
0	H	Cloudless.	
0	H	"	
0	R	"	
0	R	"	
0	R	Cloudless; slight dew on grass.	
0	R	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°2 and 82°5. This was the 16th day on which the sky remained almost cloudless.
0	B	" "	
0	B	Cloudless.	
0	B	"	
0	B	"	
0	H	"	
0	H	A few ≈ in E hor.; mist around hor.	
0	H	A few ≈ in E hor.; mist and fog in hor.	
0	H	" "	
0	R	" "	
0	R	Mist in hor.	
0	R	Cloudless.	
0	R	"	
0	B	"	
0	B	"	
0	B	Mist in E hor.	
0	B	"	
0	B	"	
0	B	Cloudless.	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 Inch in the Ground.	Ground Thermometers. Thermometer 6 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds during some degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 26th-Midnight	29.954	29.421	69°8	64°0	5°8	60°5	0.74	71°0	76°7	N b W	0.0		+	2		Above 10m.
1 a. m.	.952	.360	70·2	66.0	4.2	63.7	.81	71.3	76.5	N	0.0		+	6	6	0.56
2 „	.935	.362	69.6	65.2	4.4	62.7	.80	71.0	76.5	„	0.0		+	4	4	1.00
3 „	.928	.375	68.0	64.0	4.0	61.6	.81	70.0	76.4	„	0.0		+	1		Above 10m.
4 „	.931	.372	68.3	64·3	4.0	62.0	.81	69.8	76.3	„	0.0		+	1		Above 10m.
5 „	.929	.376	68.0	64.0	4.0	61.6	.81	69.6	76.2	NE b E	0.0		+	1		Above 10m.
6 „	.941	.388	68.0	64.0	4.0	61.6	.81	69.6	76.1	„	0·1		+	1		Above 10m.
7 „	.986	.474	67.4	62.4	5.0	59.3	.77	69.0	76.0	„	0.2		+	1		Above 10m.
8 „	30.008	.472	69.5	64.0	5.5	60.7	.75	70.2	76.0	„	0.1		+	1		Above 10m.
9 „	.023	.484	71.6	65.0	6.6	61.2	.71	71.4	75.9	„	0.3		+	1		Above 10m.
10 „	.025	.443	74.0	67.0	7.0	63.2	.70	73·0	75.9	ENE	0.2	None.				
11 „	.010	·518	76.4	65.0	11.4	58.1	.55	74.6	76.0	„	0.4					
Noon.	29.985	·425	82.0	69.0	13.0	62.0	.52	76.6	76.1	„	0.2					
1 p. m.	.946	·397	82.7	68.9	13.8	61.4	.51	78.0	76·2	WNW	0·2					
2 „	.919	.352	82.3	69.3	13.0	62.4	.52	78.2	76.2	„	0.2					
3 „	·904	.300	81.9	70.3	11.6	64.3	.57	78.7	76.3	W	0.3					
4 „	·902	.302	81·4	70.0	11.4	64.1	.57	78.8	76.5	„	0.2					
5 „	.911	.259	78.3	70.5	7.8	66.6	.69	76.6	76.5	W b N	0.4					
6 „	.921	.251	76.4	70.4	6.0	67.5	.75	76.2	76.6	WNW	0.5					
7 „	.944	·280	75.6	70.0	5.6	67.2	.77	76.0	76.6	NW	0.4					
8 „	.956	.285	75.0	70.0	5.0	·67.5	.79	75.5	76.7	„	0.3					
9 „	·972	·286	73.6	70.0	3.6	68.2	.84	74.0	76.7	NNW	0.1		+	10	10	0.10
10 „	·970	.329	71.6	68.0	3.6	66.1	.84	72.8	76.7	„	0.2					
11 „	.965	.390	70.6	65.6	5.0	62.8	.78	72.0	76.6	„	0.2					
Dec. 27th-Midnight	.962	.422	69.2	64.0	5.2	60.9	.77	71.0	76.5	NNW	0.0					
1 a. m.	.955	.460	69.2	62.5	6.7	58·3	.71	69.6	76.5	„	0.0		+	6	4	Above 10m.
2 „	.944	.339	69.6	66.2	3.4	64.4	.84	70·8	76.4	NNE	0.0					
3 „	.938	.367	69.2	65.0	4.2	62.6	.81	69.7	76.3	„	0.0					
4 „	.941	.343	67.8	65·2	2.6	64.0	.88	69.5	76.2	„	0.0					
5 „	.953	.369	68.0	65.0	3.0	63.3	.86	70.0	76.2	„	0.0					
6 „	.971	.387	68.0	65.0	3.0	63.3	.86	69.8	76·0	„	0.1					
7 „	30.006	.449	67.6	64.0	3.6	61.9	.83	69.6	76.0	„	0.1					
8 „	.030	.489	69.1	64.0	5.1	61.0	.77	70.0	75.8	NE	0.2					
9 „	.053	.506	71.4	65.0	6.4	61.3	.72	71.5	75.8	NE b E	0.2					
10 „	.045	.456	73.4	67.0	6.4	63.5	.72	72.8	75.8	ENE	0.2					
11 „	.020	.451	76.7	67.5	9.2	62.5	.63	74.8	75.9	W b N	0.4	None.				
Noon.	29 979	.378	78.3	69.0	9.3	64.2	.63	76.0	76.0	NW b W	0.5					
1 p. m.	.957	.281	79.4	71.5	7.9	67.8	.69	77.0	76.0	NW	0.5	None.				
2 „	.937	.266	79.4	71.5	7.9	67.8	.69	77.2	76.1	WNW	0.6					
3 „	.935	.265	78.9	71.2	7.7	67.5	.69	77.0	76.2	„	0.8					
4 „	.936	.260	77.9	71.0	6.9	67.7	.72	76.7	76.4	NW b W	0.8					
5 „	.936	.276	76.0	69.0	6.0	67.0	.75	76.0	76.4	NW	0.6					
6 „	.940	.275	74.0	69.5	4.5	67.2	.81	75.0	76.5	NW b W	0.5					
7 „	.950	.264	73.6	70.0	3.6	68.2	.84	74.4	76.5	„	0.4					
8 „	.972	.279	73.0	70.0	3.0	68.5	.87	74.0	76.6	„	0·2					
9 „	.990	.311	72.4	69.4	3.0	67.9	.87	73.4	76.6	„	0.1					
10 „	.994	.313	71.0	69.0	2.0	68.0	.91	72.0	76.4	NW	0.0					
11 „	.983	.338	69.8	67.5	2.3	66.3	·89	71.0	76.3	„	0.0		+	20	20	Above 10m.
Dec. 28th-Midnight	.972	.309	69.6	68.0	1.6	67.2	.93	70.9	76.3	NW	0.0					
1 a. m.	.966	.304	69.7	68.0	1.7	67.1	.92	70.7	76.2	„	0.0					
2 „	.946	.278	70.0	68.3	1.7	67.4	.92	71·0	76.1	„	0.0					
3 „	.933	.269	69.5	68.0	1.7	67.2	.93	70.9	76·0	ENE	0.4					
4 „	.931	.261	69.0	68.0	1.5	67·5	.55	70.6	76.0	„	0·1	None.	None.	None.	None.	None.
5 „	.938	.268	69.0	68.0	1.0	67.5	.95	70.2	76.0	„	0.1					
6 „	.949	.301	68.0	67.0	1.0	66.5	.95	70.0	75.8	NE b E	0.1					
7 „	.973	.307	69.4	68.0	1.4	67.3	.93	70.2	75.8	NE	0.1					
8 „	30.001	.335	69.4	68.0	1.4	67.3	·93	71·0	75.8	NE b E	0.1					
9 „	.024	.349	70.6	68.7	1.9	67.7	.91	71.6	75.9	E b N	0.5					
10 „	.019	.335	72.6	69.6	3.0	68.1	.87	72.9	75.9	„	0.5					
11 „	.000	.326	74.7	70.0	4.7	67.7	.80	74.0	76.0	ENE	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ∪≀ cirro-strati; ∩∪≀ cumulo-strati; and ∨≀ nimbi.	
0	R	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°1 and 82°3. This was the 17th or the last day on which the sky remained almost cloudless.
0	B	,,	
0	B	Cloudless; dew falling.	
0	B	,, ,,	
0	B	,, ,,	
0	H	,, ,,	
0	H	A few ≀ along E hor.; mist around hor.; dew falling.	
0	H	A few ≀ along E hor.; mist and fog in hor.	
0	H	,, ,,	
0	R	,, ,,	
0	R	Mist in hor.	
0	R	,,	
0	H	,,	
0	B	Cloudless.	
0	B	Mist along E hor.	
0	B	,, ,,	
0	B	,, ,,	
0	H	,, ,,	
0	H	Cloudless.	
0	H	,,	
0	H	,,	
0	R	Cloudless; dew falling.	
0	R	,, ,,	
0	R	,,	
0	R	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°1 and 82°3. The height of standard barometer at 9 A. M. was 30·053 in., greatest in the month, and about 0.075 in. greater than the normal height.
0	B	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	H	,, ,,	
0	H	A few ≀ in E hor.; mist around hor.	
1	H	≀ scattered along E hor.; mist and fog in hor.	
1	H	,, ,,	
1	R	≀ scattered around hor.; mist and fog in hor.	
1	R	,, ,,	
0	R	A few ≀ in hor.; mist around hor.	
0	R	Cloudless.	
0	B	,,	
0	B	,,	
1	B	≀ scattered along E hor.	
1	B	,, ,,	
2	H	,, ,,	
2	H	,, ,,	
0	H	A few ≀ in E hor.	
0	H	Cloudless; dew falling.	
0	R	,, ,,	
0	R	,, ,,	
0	R	,, ,,	
3	R	≀ scattered along E hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°1 and 82°3.
0	B	≀ scattered here and there, moving SE; dew falling.	
0	B	A few ≀ along E hor.; dew falling.	
1	B	≀ scattered along W hor.; dew falling.	
1	B	≀ scattered about hor.; dew falling.	
1	H	,, ,,	
3	H	≀ scattered in E; dew falling.	
4	H	≀ scattered about, moving W; mist and fog in hor.	
6	H	,, ,,	
4	R	,, ,,	
2	R	≀ and ≀≀ scattered about E and N hor.; mist along W hor.	
3	R	≀≀ scattered above E and N hor.	

Bombay Civil Time. 1861.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in hours from the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 28th-Noon.	29.967	29.299	75°9	70°2	5°7	67°4	0.76	75°0	76°0	ENE	0.3					
1 p. m.	.940	.336	78.0	69.0	9.0	64.3	.64	76.0	76.0	NW	0.1					
2 „	.915	.346	79.4	68.4	11.0	62.5	.58	76.1	76.1	WNW	0.1					
3 „	.895	.309	79.6	69.0	10.6	63.4	.60	76.5	76.1	W	0.1					
4 „	.895	.300	78.8	69.0	9.8	63.9	.62	76.2	76.3	WNW	0.2					
5 „	.899	.306	76.0	68.0	8.0	63.8	.67	75.5	76.3	W	0.1	None.	None.	None.	None.	None.
6 „	.912	.301	74.4	68.0	6.4	64.7	.73	74.4	76.3	„	0.2					
7 „	.932	.281	73.7	69.0	4.7	66.6	.80	74.0	76.3	W b W	0.4					
8 „	.953	.298	73.4	69.0	4.4	66.8	.81	73.5	76.3	„	0.4					
9 „	.963	.341	73.4	68.0	5.4	65.2	.77	73.5	76.3	NW b N	0.4					
10 „	.963	.328	72.2	68.0	4.2	65.8	.81	72.7	76.3	NW	0.3					
11 „	.955	.318	72.0	68.0	4.0	65.9	.82	72.4	76.2	NNE	0.1					
Dec. 30th-Midnight	.949	.507	67.3	60.0	7.3	55.0	.66	68.7	75.7	NNW	0.1					
1 a. m.	.946	.425	69.0	63.3	5.7	59.9	.74	69.8	75.5	N	0.3					
2 „	.935	.492	67.2	60.0	7.2	55.0	.67	68.5	75.4	„	0.1					
3 „	.923	.452	66.0	60.5	5.5	56.8	.74	67.5	75.3	NW b W	0.2					
4 „	.926	.465	65.6	60.0	5.6	56.2	.73	67.0	75.2	NNW	0.2					
5 „	.926	.452	67.0	61.0	6.0	57.0	.72	68.0	75.2	N b W	0.1					
6 „	.942	.482	67.2	60.6	6.6	56.2	.69	68.2	75.1	N	0.1					
7 „	.976	.553	68.0	59.6	8.4	53.7	.62	68.5	75.0	„	0.1					
8 „	30.013	.584	70.4	60.4	10.0	53.4	.57	70.2	75.0	„	0.5					
9 „	.034	.536	73.0	64.0	9.0	58.5	.62	72.0	75.0	NNE	0.8					
10 „	.028	.578	74.6	63.0	11.6	55.5	.54	73.0	75.0	„	0.8					
11 „	.009	.528	77.4	65.0	12.4	57.4	.52	75.5	75.0	„	0.5					
Noon.	29.988	.605	80.6	63.0	17.6	50.8	.37	78.0	75.1	N	0.5	None.				
1 p. m.	.963	.557	84.0	65.0	19.0	52.4	.36	80.0	75.4	NNW	0.2					
2 „	.936	.358	82.8	69.8	13.0	63.0	.53	80.0	75.5	WNW	0.4					
3 „	.914	.333	81.6	69.5	12.1	63.1	.55	79.0	75.6	„	0.7					
4 „	.917	.289	79.6	70.2	9.4	65.5	.64	77.9	75.7	NW	0.6					
5 „	.928	.279	77.0	70.0	7.0	66.5	.71	76.8	75.8	WNW	0.5					
6 „	.938	.271	75.4	70.0	5.4	67.3	.77	75.6	76.0	NW	0.5					
7 „	.954	.212	75.0	72.0	3.0	70.6	.87	75.5	76.0	„	0.5					
8 „	.982	.272	74.6	71.0	3.6	69.3	.84	75.0	76.0	„	0.4					
9 „	30.012	.382	72.6	68.0	4.6	65.6	.80	73.0	76.0	NW b N	0.2		+	10	10	1.30
10 „	.007	.517	71.0	63.0	8.0	58.0	.65	72.0	76.0	NNW	0.2		+	4		1.10
11 „	29.997	.425	72.0	66.0	6.0	62.7	.74	72.0	76.0	N b W	0.2		+	12	10	1.20
Dec. 31st-Midnight	.981	.472	72.0	64.0	8.0	59.2	.66	72.0	76.0	NNE	0.2		+	1		Above 10m.
1 a. m.	.969	.499	70.1	62.0	8.1	56.8	.65	70.9	75.9	N	0.0					
2 „	.954	.451	70.4	63.2	7.2	58.8	.68	71.1	75.7	„	0.2		+	2		Above 10m.
3 „	.943	.475	70.3	62.0	8.3	56.6	.64	70.8	75.7	NNE	0.2					
4 „	.944	.471	68.8	61.5	7.3	57.0	.67	69.6	75.5	N b E	0.1					
5 „	.943	.520	67.4	59.4	8.0	53.7	.63	68.5	75.4	NNW	0.2					
6 „	.973	.521	67.4	60.4	7.0	55.6	.68	68.5	75.3	N b W	0.1					
7 „	30.002	.509	68.0	62.0	6.0	58.2	.73	69.1	75.2	N	0.1					
8 „	.021	.501	71.0	64.0	7.0	59.8	.69	71.1	75.2	NNE	0.2					
9 „	.045	.484	73.0	66.0	7.0	62.1	.70	72.5	75.2	„	0.5		+	1		Above 10m.
10 „	.037	.476	75.3	66.8	8.5	62.1	.65	74.0	75.3	NE b N	0.2					
11 „	.022	.560	77.7	64.5	13.2	56.3	.50	75.5	75.4	NNE	0.4					
Noon.	29.995	.435	82.0	69.0	13.0	62.0	.52	78.0	75.5	NW	0.4	None.			None.	
1 p. m.	.966	.399	81.4	69.0	12.4	62.4	.54	78.0	75.6	NW b W	0.4					
2 „	.947	.350	81.6	70.0	11.6	64.0	.57	78.8	75.8	WNW	0.4					
3 „	.935	.325	82.0	70.5	11.5	64.9	.57	79.1	75.9	„	0.5					
4 „	.924	.311	80.9	70.2	10.7	64.8	.60	78.9	76.0	„	0.5					
5 „	.925	.298	79.0	70.0	9.0	65.4	.65	78.0	76.1	„	0.3					
6 „	.928	.244	77.0	70.0	6.0	68.1	.75	76.9	76.2	NW	0.2					
7 „	.950	.274	75.2	70.2	5.0	67.8	.79	75.7	76.2	„	0.1					
8 „	.972	.276	74.6	70.6	4.0	68.6	.83	75.0	76.2	„	0.1					
9 „	.973	.291	74.0	70.0	4.0	68.0	.83	74.6	76.3	„	0.5					
10 „	.983	.324	73.0	69.0	4.0	67.0	.82	74.0	76.4	„	0.4					
11 „	.974	.391	71.0	66.0	5.0	63.2	.78	73.0	76.3	NW b N	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌒≀ cirro-strati; ∩⌒≀ cumulo-strati; and ≀≀≀ nimbi.	
2	R	≀≀ scattered above E and N hor.	
2	B	≀≀ scattered around hor., except in W.	
1	B	" " "	
0	B	A few pieces of ≀≀ in E hor.	
0	B	" "	
0	R	" "	
0	R	A few pieces of ≀≀ along W hor.	
0	R	Clear, except in hor.	
0	R	A few pieces of ≀≀ above E hor.	
0	R	" "	
0	R	Cloudless.	
0	R	"	
0	R	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°0 and 82°2. Temperature of free air at 4 A. M. was 65°6, lowest during the month, and only 5°4 lowest than the normal mean.
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	H	"	
0	H	A few ≀ in E hor.; mist in hor.	
5	H	≀ scattered about; mist and fog in hor.	
3.	H	" "	
1	R	≀ scattered along E hor.; mist and fog in hor.	
0	R	A few ≀ in SE hor.; mist in hor.	
0	R	Mist in hor.	
0	R	Cloudless.	
0	B	"	
0	B	"	
0	B	A few ≀ and mist in hor.	
0	B	" "	
0	H	Mist in hor.	
0	H	"	
0	H	Cloudless.	
0	H	"	
0	R	"	
0	R	"	
0	R	"	
0	R	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°1 and 82°2.
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	H	"	
0	H	A few ≀ in E hor.; mist around hor.	
6	H	≀ scattered about; mist and fog in hor.	
3	H	" "	
1	R	≀ scattered above E and SE hor.; mist and fog in hor.	
0	R	A few ≀ in E hor.; mist and fog in hor.	
0	R	" "	
0	R	A few ≀ in E hor.; mist in hor.	
0	B	A few clouds in E hor.	
0	B	" "	
0	B	≀ and ≀≀ scattered along E hor.; light mist in hor.	
0	B	Light mist in hor.	
0	H	A few ≀ in SE hor.	
0	H	A few ≀ and mist along E hor.	
0	H	Cloudless.	
0	H	"	
0	H	"	
0	H	"	
0	H	"	

BOMBAY MAGNETICAL OBSERVATORY.

EXTRAORDINARY ELECTROMETER OBSERVATIONS.

1861.

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1861.

Date.	Bombay Mean Solar Time, or Limits of Time, 1861.	Sign of Electricity by Gold L. El.	Reading of Electrometers.			Time of Recovery after Discharge.	Ronald's Spark Measure.			Time of maximum Tension.
			Volta (1).	Volta (2).	Henly.		Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	
			Scale.	Scale.		M. S.	H. M.	In.	Sp. Sec.	H. M.
29th May.	From 5h 50m P. M. to 6h 41m P. M.	Neg.	Out of Scale.	Out of Scale.	3	Inst.	5.50	0.05	2 in 3	
		"	"	"	3	"	.52	.05	1 in 4	
		"	"	"	4	"	.53	.06	1 in 2	
		"	"	"	4	"	.54	.06	"	
		"	"	"	4	"	.55	.06	2 in 1	
		"	"	"	4	"	.56	.06	"	
		"	"	"	4	"	.57	.06	"	
		"	"	"	5	"	.58	.06	"	
		"	"	"	5	"	.59	.07	"	5·59
		"	"	"	4	"	6.00	.07	"	
		"	"	"	3	"	.01	.06	"	
		"	"	"	3	"	.02	.06	1 in 1	
		"	"	"	3	"	·03	.06	"	
		"	"	"	4	"	.04	.06	"	
		"	"	"	4	"	.05	.06	"	
		"	"	"	4	"	.06	.06	3 in 2	
		"	"	"	4	"	.07	.06	"	
		"	"	"	4	"	.08	.06	"	
		"	"	"	4	"	.09	.06	"	
		"	"	"	4	"	.10	.07	1 in 1	
		"	"	"	5	"	.11	.07	"	
		"	"	"	4	"	·12	.07	1 in 2	
		"	"	"	4	"	.13	.07	"	
		"	"	"	5	"	.14	.06	"	
		"	"	"	5	"	.15	·07	"	
		"	"	"	5	"	.16	.07	1 in 1	Uncertain.
		"	"	"	5	"	.17	.07	1 in 1	
		"	"	"	4	"	.18	.07	"	
		"	"	"	4	"	.19	·06	1 in 3	
		"	"	"	4	"	.20	.05	1 in 3	
		"	"	"	4	"	.22	.05	1 in 2	
		"	"	"	4	"	.25	.06	2 in 1	
		"	"	"	5	"	.28	.07	1 in 2	
		"	"	"	4	"	.32	.06	"	
		"	"	"	3	"	.33	.05	1 in 3	
		"	"	"	3	"	.36	.05	1 in 4	
		"	"	"	2	"	.38	.03	A spark.	
		"	"	30		0.07	.39			
		"	"	50		0.04	.41		A spark.	
31st May.	From 2h 20m A. M. to 2h 40m A. M.	Neg.	Out of Scale.	Out of Scale.	3	Inst.	2·20	0·05	1 in 2	
		"	"	"	3	"	·21	·05	"	
		"	"	"	3	"	·22	·05	1 in 3	
		"	"	"	3	"	·25	·05	1 in 2	
		"	"	"	4	"	·27	·06	1 in 1	2.27
		"	"	"	3	"	·28	·05	2 in 5	
		"	"	"	3	"	·29	·05	"	
		"	"	"	2	"	·31	·03	1 in 3	
		"	"	"	2	"	·33	·04	A spark.	
		"	"	"	2	"	·35	·03	"	
		"	"	"	2	"	·37	·03	1 in 3	
		"	"	75		0·02	·38		A spark.	
		"	"	80		0·03	·40		"	
	From 4h 1m A. M. to 4h 14m A. M.	Neg.	Out of Scale.	Out of Scale.	4	Inst.	4·01	0·07	2 in 1	
		"	"	"	4	"	·03	·08	"	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1861.

Barometer corrected to 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
			lbs.		
		Calm	0.0	0/10	
		"	"	"	
		"	"	"	
		"	"	"	Overcast with Cu and Cu; Cs and Cu along E hor; haze around hor.; the motion of clouds was NE.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Overcast; scud above E hor., moving slowly NE.
		"	"	"	
		"	"	"	
29·581	86·8	"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Sunshine rather dim.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Sunshine partially clear.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Very slight SW breeze.
		"	"	"	
		"	"	"	Slight drops of rain commenced to fall.
		"	"	"	
		"	"	"	Overcast.
		"	"	"	
		"	"	"	Rainbow dimly visible in E.
29·590	86·2	"	"	"	
		SW b W	0.2	"	Scud; light Cu and Cu in the sky.
		"	0.2	"	
		"	0.2	"	Overcast; break in S.
		"	0·2	"	
29·549	82·4	S b E	0·1	9/10	
		"	"	"	Overcast; lightning in SSE hor; light drops of rain. Barometer was very low.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Overcast; thunder in SSE.
		"	"	"	
		"	"	"	
		"	"	"	
		SSE	0.2	"	
		"	"	"	Overcast.
29·575	82·8	"	"	"	"
		SE b S	0·1	8/10	Overcast with Cu, moving NE; lightning in SE hor; drizzling rain falling.
		"	"	"	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1861.

Date.	Bombay Mean Solar Time, or Limits of Time, 1861.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of maximum Tension.
			Scale.	Scale.	o	M. S.	H. M.	In.	Sp. Sec.	H. M.
31st May.	From 4h 1m A. M. to 4h 14m A. M.	Neg.	Out of Scale.	Out of Scale.	5	Inst.	.04	0.08	3 in 2	
		"	"	"	5	"	.05	.08	2 in 1	4.80
		"	"	"	6	"	.08	.09	"	
		"	"	"	5	"	.10	.08	1 in 1	
		"	"	"	4	"	.12	.07	1 in 2	
		"	"	"	3	"	.13	.05	1 in 4	
		"	20	20		0.08	.14			
	From 4h 15m A. M. to 4h 42m A. M.	Neg.	Out of Scale.	Out of Scale.		Inst.	4.15	0.02	A spark.	
		"	"	75	6	"	.16	.08	2 in 1	
		"	"	"	6	"	.17	.08	"	
		"	"	"	6	"	.18	.08	3 in 1	
		"	"	"	6	"	.19	.08	"	
		"	"	"	6	"	.20	.08	"	
		"	"	"	6	"	.22	.08	2 in 1	
		"	"	"	6	"	.24	.08	"	
		"	"	"	6	"	.25	.08	"	
		"	"	"	5	"	.26	.07	"	
		"	"	"	8	"	.27	.10	3 in 2	
		"	"	"	9	"	.28	.11	1 in 1	4.28
		"	"	"	8	"	.29	.10	1 in 2	
		"	"	"	8	"	.31	.10	2 in 3	
		"	"	"	8	"	.33	.10	1 in 1	
		"	"	"	7	"	.34	.09	"	
		"	"	"	6	"	.35	.08	"	
		"	"	"	5	"	.37	.07	1 in 2	
		"	"	"	4	"	.39	.07	2 in 3	
		"	"	"	2	"	.40	.05	A spark.	
		"	20	20		0 05	.42			
7th June.	From 1h 3m P. M. to 1h 20m P. M.	Neg.	Out of Scale.	Out of Scale.	18	Inst.	1.03	0.20	3 in 1	
		"	"	"	19	"	.04	.22	"	1.4
		"	"	"	16	"	.05	.20	2 in 1	
		"	"	"	12	"	.06	.19	"	
		"	"	"	10	"	.97	.18	3 in 1	
		"	"	"	10	"	.08	.15	"	
		"	"	"	10	"	.09	.16	"	
		"	"	"	8	"	.10	.14	2 in 1	
		"	"	"	10	"	.11	.14	4 in 1	
		"	"	"	8	"	.13	.11	2 in 1	
		"	"	"	7	"	.14	.10	3 in 1	
		"	"	"	6	"	.15	.08	2 in 1	
		"	"	"	6	"	.16	.08	1 in 1	
		"	"	"	4	"	.17	.06	1 in 2	
		"	"	"	3	"	.18	.05	"	
		"	"	50		0.02	.19	.01	A spark.	
		"	"	30		0.04	.20			
27th Sept.	From 5h m55 to 6h 12m P. M.	Neg.	Out of Scale.	Out of Scale.	6	Inst.	5.55	0.10	A spark.	
		"	"	"	6	"	.57	.11	1 in 1	
		"	"	"	6	"	.59	.10	2 in 3	
		"	"	"	7	"	6,01	.12	1 in 1	6.1
		"	"	"	6	"	.02	.11	1 in 3	
		"	"	"	3	"	.03	.07	"	
		"	"	"	2	"	.05	.05	"	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1861.

Barometer corrected to 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
			lbs.		
		SE b S	0,1	cirs	
		"	"	"	
29·558	81·2	"	"	"	
		"	"	"	Overcast with ∿, moving NE; lightning in SE and S hor.; drizzing rain falling.
		"	"	"	
		"	"	"	
		SE b S	0.1	cirs	Overcast; thunder and lightning in SE.
		"	"	"	
		"	"	"	
		"	"	"	Overcast; lightning, thunder, and slight rain.
		"	"	"	
		"	0.3	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Overcast; thunder in SE hor.; raining lightly.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Lightning in SE.
		"	"	"	
29·558	18·7	"	"	"	Thunder; lightning in S.
		"	"	"	
		WSW	0·4	cirs	
		"	"	"	
		"	"	"	
		"	"	"	Densely clouded with ∿, whose motion was ENE. Squally wind was blowing with force of about 4 lbs. for nearly 10 minutes, but afterwards the pressure lessened. This squall lasted for about ½ hour; maximum force of wind was 5½ lbs.
29·722	79·0	"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		WSW	"	cms	The sky almost overcast with a slight break in E above hor.; smartly raining.
		"	"	"	
		"	"	"	
		"	"	"	Overcast.
		"	"	"	"
		"	"	"	Rain ceased.
		"	"	"	Densely clouded.
		"	"	"	Densely clouded.
		NW	0·5	cirs	
		"	"	"	∿ scattered along NE, E and SE hor.; ∿ scattered in E hem.; dense ∿ scattered throughout; light ∿ scattered about, moving E; ugly appearance in E.
		"	"	"	
		"	"	"	
		"	0·7	"	
		"	"	"	Lightning in NE; ∿ scattered about, moving slowly E.
		"	"	"	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1861.

Date.	Bombay Mean Solar Time, or Limits of Time, 1861.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Sparks Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Scale.	Scale.	°	M. S.	H. M.	In.	Sp. Sec.	H. M.
27th Sept.	From 5h 55m P. M. to	Neg.	Out of Scale.	Out of Scale.	3	Inst.	.06	0.07	1 in 3	
	6h 12m P. M.	,,	,,	,,	2	,,	.09	.05	A spark.	
		,,	,,	50	0	0.22	.12	.00	,,	
	From 6h 53m P. M. to	Neg.	Out of Scale.	Out of Scale.	13	Inst.	6.53	0.17	2 in 1	
	7h 51m P. M.	,,	,,	,,	12	,,	.56	.15	,,	
		,,	,,	,,	14	,,	.58	.16	2 in 3	
		,,	,,	,,	13	,,	7.00	.16	2 in 1	
		,,	,,	,,	12	,,	.04	.15	1 in 2	
		,,	,,	,,	12	,,	.05	.15	1 in 1	
		,,	,,	,,	12	,,	.06	.15	3 in 2	
		,,	,,	,,	10	,,	.07	.14	1 in 3	
		,,	,,	,,	9	,,	.09	.12	1 in 2	
		,,	,,	,,	10	,,	.10	.14	2 in 3	
		,,	,,	,,	9	,,	.11	.13	,,	
		,,	,,	,,	9	,,	.13	.13	1 in 2	
		,,	,,	,,	9	,,	.15	.13	,,	
		,,	,,	,,	9	,,	.16	.13	,,	
		,,	,,	,,	9	,,	.18	.13	,,	
		,,	,,	,,	10	,,	.19	.14	,,	
		,,	,,	,,	8	,,	.20	.11	,,	
		,,	,,	,,	8	,,	.22	.11	,,	
		,,	,,	,,	9	,,	.24	.12	,,	
		,,	,,	,,	11	,,	.26	.14	1 in 1	
		,,	,,	,,	14	,,	.27	.15	,,	
		,,	,,	,,	13	,,	.28	.16	,,	
		,,	,,	,,	13	,,	.30	.14	,,	
		,,	,,	,,	16	,,	.31	.18	2 in 1	7.31
		,,	,,	,,	13	,,	.33	.15	3 in 2	
		,,	,,	,,	11	,,	.35	.14	2 in 1	
		,,	,,	,,	10	,,	.39	.12	1 in 1	
		,,	,,	,,	10	,,	.42	.12	3 in 2	
		,,	,,	,,	7	,,	.45	.10	2 in 3	
		,,	,,	,,	5	,,	.46	.08	1 in 4	
		,,	,,	,,	2	,,	.47	.04	A spark.	
		,,	,,	65	0	,,	.49	.00	,,	
		,,	25	25	0	0.6	.51	.00	,,	
28th Sept.	From 7h 17m P. M. to	Neg.	Out of Scale.	Out of Scale.	3	Inst.	7.17	0.05	1 in 1	7.17
	11h 21m P. M.	,,	,,	,,	3	,,	.18	.05	,,	
		,,	,,	,,	2	,,	.19	.04	,,	
		,,	,,	50	0	0.2	.21	.00	A spark.	
29th Sept.	From 10h 48m P. M. to	Neg.	Out of Scale.	Out of Scale.	8	Inst.	10.48	0.10	1 in 1	
	10h 57m P. M.	,,	,,	,,	8	,,	.50	.10	,,	
		,,	,,	,,	10	,,	.52	.14	2 in 1	
		,,	,,	,,	11	,,	.55	.14	,,	10.55
		,,	,,	30	0	0.3	.57	.00		
	From 10h 59m P. M. to	,,	Out of Scale.	Out of Scale.	12	Inst.	0.59	0.08	1 in 1	
	11h 57m P. M.	,,	,,	,,	7	,,	1.01	.10	2 in 1	
		,,	,,	,,	6	,,	.03	.08	,,	
		,,	,,	,,	7	,,	.05	.10	1 in 1	
		,,	,,	,,	6	,,	.16	.09	,,	
		,,	,,	,,	8	,,	.18	.10	,,	11.18

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1861.

Barometer corrected to 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
			lbs.		
29·760	82.2	NW	0·7	0/10	
		"	"	"	
		"	"	"	
		"	0·2	6/10	Lightning in NE; ∿ scattered about, moving slowly E.
		"	"	"	
		"	"	"	
		"	"	"	
		"	0.1	"	
		"	"	"	
		"	"	"	
29·812	81.9	"	"	"	
		"	0.2	"	Overcast; lightning in N and NNE.
		"	"	"	
		"	"	"	
		"	"	"	
		"	0.1	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	0.3	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	0·5	"	Overcast with ∿, moving E; lightning in N and NNE hor; slight drops of rain after 7h 19m.
		"	"	"	
		"	"	"	
		"	"	"	
		"	0.6	"	
		"	"	"	
		NW b W	"	"	
		"	0.3	"	
		"	"	"	
		"	"	"	
29·819	81.7	"	"	"	
29.784	81.6	NW b N	0.3	9/10	
		"	"	"	Overcast with ∿; slight drops of rain falling; lightning in NE.
		"	"	"	
		"	"	"	
		NW b N	0.8	9/10	
		"	"	"	Densely clouded with ∿, moving S; raining; lightning in SE hor. and about zenith; thunder in zenith at about 10h 55m.
		NNW	"	"	
		"	"	"	
		"	"	"	
		N b E	0.7	9/10	
		"	"	"	
		"	"	"	Overcast with dense ∿; lightning about zenith; raining; occasional thunder about zenith and in E hor.
		"	"	"	
		"	"	"	
		"	"	"	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1861.

Date.	Bombay Mean Solar Time, or Limits of Time, 1861.	Sign of Electricity by Gold L. El.	Reading of Electrometers.			Time of Recovery after Discharge.	Ronald's Spark Measure.			Time of maximum Tension.
			Volta (1).	Volta (2).	Henly.		Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	
			Scale.	Scale.	°	M. S.	H. M.	In.	Sp. Sec.	H. M.
29th Sept.	From 10h 50m P. M. to 11h 54m P. M.	Neg.	Out of Scale.	Out of Scale.	6	Inst.	0.20	0.08	1 in 1	
		"	"	"	5	"	.22	.06	"	
		"	"	"	5	"	.24	.08	"	
		"	"	"	5	"	.26	.08	"	
		"	"	"	3	"	.28	.05	1 in 2	
		"	"	"	3	"	.30	.05	"	
		"	"	"	3	"	.32	.05	"	
		"	"	"	4	"	.34	.06	1 in 1	
		"	"	"	5	"	.36	.08	1 in 2	
		"	"	"	3	"	.38	.05	"	
		"	"	"	3	"	.40	.05	1 in 1	
		"	"	"	4	"	.42	.05	"	
		"	"	"	3	"	.44	.05	1 in 2	
		"	"	"	2	"	.46	.04	1 in 3	
		"	"	"	6	"	.47	.08	1 in 1	
		"	"	"	10	"	11.50	.12	"	
		"	"	"	6	"	.52	.08	"	
		"	"	"	0	"	.54	.00		
15th Oct.	From 7h 5m P. M. to 7h 59m P. M.	Neg.	Out of Scale.	Out of Scale.	8	Inst.	7.05	0.10	1 in 1	
		"	"	"	9	"	.06	.11	"	
		"	"	"	8	"	.07	.12	"	
		"	"	"	9	"	.08	.11	"	
		"	"	"	10	"	.09	.12	"	
		"	"	"	9	"	.10	.11	"	
		"	"	"	9	"	.11	.10	"	
		"	"	"	10	"	.12	.09	"	
		"	"	"	9	"	.13	.13	2 in 3	
		"	"	"	9	"	.14	.14	1 in 2	
		"	"	"	9	"	.15	.13	"	
		"	"	"	12	"	.15½	.15	2 in 1	
		"	"	"	11	"	.16	.13	1 in 1	
		"	"	"	14	"	.17	.14	1 in 2	
		"	"	"	13	"	.18	.14	2 in 1	
		"	"	"	9	"	.20	.11	"	
		"	"	"	10	"	.21	.14	2 in 3	
		"	"	"	11	"	.23	.14	1 in 1	
		"	"	"	15	"	.25	.17	3 in 2	7.25
		"	"	"	14	"	.26	.16	1 in 1	
		"	"	"	12	"	.28	.15	2 in 3	
		"	"	"	12	"	.31	.15	"	
		"	"	"	12	"	.33	.15	"	
		"	"	"	10	"	.35	.13	1 in 1	
		"	"	"	7	"	.36	.11	1 in 4	
		"	"	"	6	"	.37	.10	1 in 3	
		"	"	"	8	"	7.39	.12	2 in 5	
		"	"	"	6	"	.40	.10	"	
		"	"	"	6	"	.42	.10	"	
		"	"	"	6	"	.46	.10	"	
		"	"	"	4	"	.47	.07	1 in 3	
		"	"	"	3	"	.48	.06	A spark.	
		"	"	"	2	"	.49	.05	"	
		"	"	"	2	"	.50	.05	"	
		"	"	"	2	"	.51	.04	"	
		"	"	"	2	"	.53	.05	1 in 5	
		"	"	65	0	0.7	.54	.00	A spark.	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1861.

Barometer corrected to 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	REMARKS.
			lbs.		
		N b E	0.7	cirro	
		"	"	"	
		"	"	"	
		"	"	"	
		"	0.5	"	
		"	"	"	
29·962	78·9	"	"	"	Overcast with dense cirri; lightning about zenith; raining; occasional thunders about zenith and in E hor.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	0.3	"	Overcast; raining smartly.
		"	"	"	
		"	"	"	
		E	0.2	cirro	Loose cirri scattered about; lightning in E hor.
		"	"	"	
29.890	81·3	"	"	"	
		"	"	"	
		"	"	"	
		"	0.5	"	
		"	"	"	
		"	"	"	Overcast; lightning in E hor.
		"	"	"	
		E b S	"	"	
		"	"	"	
		"	"	"	
		"	0.8	"	
		"	"	"	
		"	"	"	
		ESE	1.0	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Overcast; fresh breezes of wind blowing from E.
		"	"	"	
		"	"	"	
		"	0.8	"	
		"	"	"	
		"	"	"	
		"	"	"	
29·888	78·7	"	"	"	
		"	"	"	
		"	"	"	
		SE	"	"	
		"	"	"	Overcast with cirri; lightning in E hor. at intervals of more than 5m; slight drops of rain falling.
		"	"	"	
		"	"	"	
		"	"	"	
		ESE	"	"	
		"	"	"	
		"	0.6	"	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1861.

Date.	Bombay Mean Solar Time, or Limits of Time, 1861.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of maximum Tension.
			Scale.	Scale.	o	M. S.	H. M.	In.	Sp. Sec.	H. M.
15th Oct.	From 7h 5m P. M. to 7h 59m P. M.	Neg.	Out of Scale.	Out of Scale.	2	Inst.	7.56	0.05	A spark.	
		,,	,,	70		0·03	.57		,,	
		,,	,,	50		0.07	·59		,,	
22nd Oct.	From 5h 24m P. M. to 5h 58m P. M.	Neg.	Out of Scale.	Out of Scale.	6	Inst.	5.24	0.14	3 in 1	
		,,	,,	,,	7	,,	.26	.14	2 in 1	
		,,	,,	,,	7	,,	.27	.10	1 in 1	
		,,	,,	,,	8	,,	.28	·12	3 in 2	
		,,	,,	,,	10—16	,,	.29	.20	3 in 1	
		,,	,,	,,	12—24	,,	.30	.24	Many	
		,,	,,	,,	8	,,	.30½	.10	2 in 1	
		,,	,,	,,	12	,,	.31	.15	3 in 1	
		,,	,,	,,	12—24	,,	.33	.24	Many	
		,,	,,	,,	10—22	,,	·34	.25	,,	
		,,	,,	,,	15—35	,,	.36	.35	,,	5.36
		,,	,,	,,	8	,,	.38	.12	1 in 1	
		,,	,,	,,	10	,,	.39	.15	2 in 1	
		,,	,,	,,	16	,,	.41	.20	3 in 1	
		,,	,,	,,	10	,,	.43	.15	2 in 1	
		,,	,,	,,	14	,,	.45	.18	,,	
		,,	,,	,,	3	,,	.46	.07	A spark.	
		,,	,,	,,	8	,,	.48	.11	1 in 1	
		,,	,,	,,	12	,,	.50	.15	2 in 1	
		,,	,,	,,	12	,,	.51	.17	3 in 2	
		,,	,,	,,	12	,,	.52	.17	1 in 1	
		,,	,,	,,	4	,,	.54	.07	,,	
		,,	,,	,,	5	,,	.56	·09	,,	
		,,	16	15		0.03	.58			
23rd Oct.	From 6h 26m P. M. to 6h 43m P. M.	Neg.	Out of Scale.	Out of Scale.	13	Inst.	6.26	0.15	3 in 1	
		,,	,,	,,	14	,,	.26½	.17	4 in 1	
		,,	,,	,,	10	,,	.28	.16	2 in 3	
		,,	,,	,,	10	,,	.29	.13	1 in 1	
		,,	,,	,,	15	,,	.30	.18	3 in 1	6.30
		,,	,,	,,	14	,,	.31	.17	1 in 1	
		,,	,,	,,	12	,,	.31½	.15	2 in 1	
		,,	,,	,,	14	,,	.33	.17	2 in 1	
		,,	,,	,,	12	,,	.34	.15	,,	
		,,	,,	,,	12	,,	.35	.15	,,	
		,,	,,	,,	14	,,	.36½	.17	3 in 1	
		,,	,,	,,	14	,,	.37½	.18	1 in 1	
		,,	,,	,,	12	,,	.38	.15	1 in 3	
		,,	,,	,,	8	,,	.39	.12	1 in 4	
		,,	,,	,,	5	,,	.40	.07	1 in 5	
		,,	,,	,,	4	,,	.41	.06	1 in 6	
		,,	,,	,,	2	,,	·42	.05	A spark.	
		,,	,,	62		No recovery	.43			

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1861.

Barometer corrected to 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
			lbs.		
		SE b E	0·6	cccc	Overcast with Cu; lightning in E hor. at intervals of more than 5m.; slight drops of rain falling.
29·892	78·2	,,	,,	,,	
				cccc	A sudden storm commenced in the evening at about 5h. 15m. P.M., the wind was about 4 lbs. strong at the commencement, but afterwards it moderated; the sky was completely clouded with Cu, moving NW; lightning and thunder constantly noticed.
29·921	81·6	NNW	1.2	,,	
		,,	1.5	,,	
		,,	1.4	,,	
		N	2.0	,,	Overcast; lightning and thunder about zenith; rain ceased at 5h. 31m.
		,,	,,	,,	
		,,	,,	,,	
		NE	0.4	,,	
		E	,,	,,	Overcast; lightning and thunder in NNW hor.; slight drops of rain falling.
		,,	,,	,,	
		,,	1.0	,,	
		NE b E	,,	,,	
29.815	75.2	NE	0·4	,,	Overcast with Cu; lightning in NNW; thunder in NNW; the motion of clouds was NW; clouds began to break after 5h. 54m.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	0.2	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29.832	75.0	,,	,,	,,	
		,,	,,	,,	
				cccc	A sudden squall of wind at about 5h. 20m. P. M., the wind was about 4 lbs. strong at the beginning, the squall lasted for a short time; lightning, thunder, and rain; the sky overcast with Cu.
29·895	76·0	NE	0.2	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	0.1	,,	
		,,	,,	,,	
		,,	,,	,,	
		Calm.	0·0	,,	Overcast; raining lightly.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29·901	74·4	,,	,,	,,	

BOMBAY GOVERNMENT OBSERVATORY.

ABSTRACT OF THE RESULTS

OF THE

METEOROLOGICAL OBSERVATIONS.

1861.

BOMBAY METEOROLOGICAL OBSERVATIONS.

METEOROLOGICAL RESULTS.

The following Meteorological elements are comprised under this head :—

1. Barometric Pressure.
2. Temperature of the Air and Ground.
3. Hygrometric State of the Air.
4. Direction and Force of Wind.
5. State of the Weather.

Barometric Pressure.—This element was determined by means of two Standard Barometers (Nos. 58 and 48) by Newman, which were on all occasions observed simultaneously throughout the year. The difference between the Scale Readings of both Barometers is 0·013 in., which remains nearly constant, consequently the observations of Barometer No. 48 are not printed, nor any results found from them, except the mean monthly values of the same in Table I of Meteorological Introduction, which will show, at a glance, the movements of them both. Barometer No. 48 serves only as a check on the observations of Barometer No. 58, whose results are fairly drawn out.

Temperature of the Air and Ground.—This element was determined by means of six Thermometers, which were placed in situations differing from one another, in order that all the changes which the Temperature undergoes, arising from different situations, might be accurately determined.

Hygrometric State of the Air.—Under this head are classed the Temperature of Evaporation; Temperature of Dew-Point; Pressure of Moisture; Humidity of Air; Weight of a cubic foot of Air; Weight of Water in a cubic foot of Air; Weight of Vapour required for complete Saturation of a cubic foot of Air; and quantity of water actually evaporated in the Atmosphere. Of all these, the only one actually observed, has been the Temperature of Evaporation (Wet Bulb), and the others were calculated by tables given in the introduction to this Part.

Direction and Force of Wind.—These elements were deduced from the self-registered curves of Osler's Wind Anemometer and Lynd's Wind Gauge.

State of the Weather.—Under this head are set down the prevailing Clouds in different seasons; the portion of the cloudy Sky at particular times; fall of Rain; and all Storms, such as lightning, thunder, and wind.

BOMBAY METEOROLOGICAL RESULTS.

TABLE I.—*Showing, in the Months of January and February, the Mean Daily Value of*

	Days of the Month.	Phases of the Moon.	Barometer No. 58 corrected to 32° Fahrenheit.			Reading of Air Thermometers.									Ground Thermometers.				Mean daily Value of Hygrome				
						Thermometer in External Air.			Wet Bulb Thermometer.			Difference between Wet Bulb Temperature and the Air Temperature.			Under the Surface of the Ground 1 inch.	Thermometer whose Bulb is 9 inches below the surface of ground.	Thermometer whose Bulb is 20 inches below the surface of the ground.	Thermometer whose Bulb is 60 inches below the surface of the ground.	Dew-point.	Pressure of Moisture.	Humidity of Air. Saturation = 1·00.	Weight in grains of a Cubic Foot of Air.	Weight in Grains of Vapour in a Cubic Foot of Air.
			Greatest.	Least.	Range.	Greatest.	Least.	Range.	Greatest.	Least.	Range.	Greatest.	Least.	Mean daily Value.									
			in.	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	in.		grs.	grs.
JANUARY 1861.	1																						
	2	Eq. P.	30·041	29·919	0·122	87·4	74·0	13.4	73·2	68·5	4·7	15·9	3·4	7·8	77·9	80·2	81·6	83·7	67·0	0·660	0·70	505	7·1
	3	☾	·037	·904	·133	86·4	73·2	13·2	72·5	67·0	5·5	17·2	3·8	8·9	77·6	80·0	81·6	83·7	64·8	·613	.66	507	6·7
	4		·016	·880	·136	88·0	69·2	18·8	70·1	62·6	7·5	21·0	4·0	9·9	76·9	79·8	81·7	83·7	62·3	·566	·63	507	6·1
	5		29·956	·809	·147	85·2	70·6	14·6	72·1	65·0	7·1	15·1	4·2	8·1	76·8	79·6	81·6	83·7	64·9	·615	·68	507	6·8
	6																						
	7		·950	·838	·112	81·8	72·0	9·8	71·0	65·0	6·0	12·8	2·8	7·2	75·8	79·2	81·5	83·8	65·0	·617	·71	508	6·8
	8	Gtst. S. Dec.	·979	·857	·122	81·6	69·8	11.8	70·5	65·0	5.5	12·7	3·6	8·0	74·9	78·7	81·4	83·8	62·8	·574	·68	509	6·4
	9		·993	·883	·110	78·8	69.6	9·2	69·0	63·4	5·6	9·8	4·3	6·4	73·4	78·1	81·2	83·9	63·1	·581	·73	511	6·4
	10	●	30·004	·841	·163	80.8	65.8	15·0	69·7	60·5	9·2	11·8	3·6	7·3	73·1	77·4	81·0	83·8	61·9	·558	·70	511	6·2
	11		29·953	·851	·102	83.8	66·2	17·6	70·0	59·5	10·5	17·2	5·2	8·7	73·7	77·3	80·8	83·7	60·3	·528	·65	510	5·8
	12		·947	·817	·130	84.5	70.6	13·9	73·0	64·0	9·0	12·7	4·6	8·2	75·3	77·7	80·5	83·5	63·2	·582	·68	509	6·4
	13																						
	14		·925	·815	·110	84·8	70·4	14.4	77·0	66·6	10·4	10·4	2·8	5·0	76·4	78·5	80·5	83·6	69·7	·720	·80	506	7·9
	15	Eq.	·968	·866	·102	87·4	74·4	13.0	78·0	71·0	7·0	10·8	2·0	5·2	78·1	79·2	80·5	83·5	71·4	·760	·80	504	8·1
	16		·994	·853	·141	84·0	74.0	10·0	76·0	70.3	5·7	9·0	2·1	4·6	77·7	79·5	80·5	83·5	71·4	·761	·82	506	8·1
	17	Apogee.	·945	·825	·120	82·9	72·6	10·3	73·7	66·0	7·7	9·9	3.0	6·4	76·5	79·4	80·8	83·5	67·4	·668	·74	506	7·2
	18	☽	·961	·828	·133	81·8	69·2	12.6	69·5	62·5	7·0	13·6	4·8	8·5	74·8	78·5	81·0	83·6	61·9	·558	·66	509	6·1
	19		30·003	·893	·110	80·6	67·8	12·8	67·5	60·5	7·0	15·6	6·8	9·6	73·6	77·8	80·9	83·5	58·4	·496	·61	511	5·3
	20																						
	21		·000	·851	·149	83·7	64·5	19·2	68·2	53·3	14·9	20.4	6·2	11·6	72·3	76·4	80·7	83·4	53·3	·417	·53	511	4·5
	22	Gtst. N. Dec.	29·934	·818	·116	78·8	65.8	13·0	65·6	59·0	6·6	14·6	4·6	9·6	71·7	76·4	80·4	83·3	55·7	·454	·60	511	5·0
	23		30·012	·876	·126	80·2	62·5	17·7	65·4	54·0	11·4	16·7	5·2	10·4	70·7	75·5	80·0	83·4	53·2	·413	·57	515	4·5
	24		·049	·892	·156	84·0	64·3	19·7	68·0	54·3	13·7	20·7	7·5	12·3	72·0	75·4	79·2	83·0	51·9	·399	·51	512	4·4
	25		29·978	·850	·128	87·4	67·4	20.0	70·0	57·8	12·2	25·3	5·8	11·7	73·8	76·0	79·0	83·0	55·7	·450	·56	509	5·1
	26	○	·941	.829	·112	81·4	65·0	16·4	71·0	61·0	10·0	11·5	3·5	7·2	73·1	76·2	79·0	83·1	62·1	·561	·70	511	6.1
	27																						
	28		·999	.867	·132	79·2	69.0	10·2	70·0	62·0	8·0	11·2	2·1	6·1	73·9	77·2	79·2	83·1	64·4	·605	·75	511	6·6
	29	Eq. P.	·960	·823	·137	79·2	65·0	14·2	67·0	57·5	9·5	14·1	5·8	8·7	71·3	76·1	79·1	83·0	57·1	·475	·63	514	5·2
	30		·902	·787	·115	80·6	65·2	15·4	71·2	60·0	11.2	10·8	3·7	6·9	72·4	75·8	79·0	83·0	61·7	·555	·71	510	6·2
	31		·926	·794	.132	81·4	66·2	15·2	73·0	62·0	11·0	11·8	2·8	6·1	73·1	76·1	79·0	83·0	64·3	·603	·75	509	6·6
FEBRUARY 1861.	1		·934	·823	·111	85·4	67·4	18·0	75·0	65·0	10·0	13·6	2 0	6·0	74·5	76·5	79·0	83·0	66·0	·639	·76	508	7·0
	2	☾	·960	·795	·165	85·0	70·0	15·0	75·7	66·0	9·7	13·2	2·4	6·2	75·6	77·2	79·0	83·0	67·2	·663	·75	507	7·2
	3																						
	4	Gtst. S Dec.	·961	·821	·140	80·8	68·8	12·0	72·4	65·0	7·4	9·4	1·8	5·1	74·1	77·3	79·0	83·0	66·7	·653	·79	509	7·2
	5		·941	·815	·126	81·2	68·5	12·7	71·2	67·4	3·8	12·7	0·8	5·3	74·0	77·2	79·1	83·0	66·2	·643	·79	509	7·0
	6		·937	·820	·117	79·6	67·2	12·4	71·2	65·0	6·2	8·6	1·0	4·5	73·1	76·9	79·2	83·0	66·2	·643	·81	510	7·0
	7		·998	·860	·138	80·0	67·5	12·5	72·6	65·0	7·6	8·0	1·0	4·5	73·1	76·6	79·3	83·1	66·3	·645	·81	511	7·0
	8		30·033	·891	·142	82·0	68·0	14·0	73·0	64·5	8·5	10·0	1·0	5·5	73·5	76·7	79·5	83·2	65·6	·630	·77	511	7·0
	9	●	·004	·867	·137	80·0	69·0	11·0	71·8	65·5	6·3	8·7	1·1	4·8	73·5	76·7	79·5	83·2	66·3	·645	·80	510	7·0
	10																						
	11	Eq.	29 997	·864	·133	81·0	67·0	14·0	71·0	61·5	9·5	11·6	3·0	6·6	73·2	76·3	79·5	83·2	63·5	·588	·73	510	6·6
	12		·997	·867	·130	79·4	68·0	11·4	71·6	66·0	5·6	9·0	1·4	4.5	73·2	76·4	79·6	83·2	66·3	·645	·81	511	7·0
	13		·974	·858	·116	78·8	67·2	11·6	72·0	65·2	6·8	8·0	1·2	4·5	72·5	76·2	79·6	83·2	65·6	·630	·81	512	7·0
	14	Apogee.	30·001	·862	·139	79·0	68·0	11·0	71·0	62·0	9·0	8·6	1·0	5·6	72·7	76·1	79·4	83·1	64·5	·607	·76	511	6·8
	15		29·951	·811	·140	81·6	66·2	15·4	71·0	55·7	15·3	16·1	4·7	9·7	73·2	76·0	79·4	83·0	58·5	·497	·60	509	5·5
	16		·940	·814	·126	83 3	68·6	14·7	73·6	62·0	11·6	13·5	3·2	7·2	74·7	76·5	79·3	83·0	64·3	·603	·71	508	6·6
	17	☽																					
	18	Gtst. N. Dec.	·999	·849	·150	88·1	68·4	19·7	71·4	58 0	13·4	21·0	5·7	11·1	76·0	77·1	79·4	83·0	59·7	·513	·58	507	5·7
	19		30·039	·893	·146	96·2	69·8	26·4	74·0	60·5	13·5	28·0	7·4	13·1	77·6	77·8	79·5	83·0	57·9	·488	·51	505	5·3
	20		·026	·856	·170	93·3	69·5	23·8	74·5	61·5	13·0	23·0	5·5	11·3	77·5	78·4	79·9	83·0	60·9	·539	·57	504	5·9
	21		29·985	·856	·129	84·2	69·6	14·6	75·0	61·0	14·0	16·0	6·0	9·3	76·8	78·6	80·0	83·1	53·1	·580	·64	507	6·3
	22		·998	·832	·166	84·1	69·6	14·5	75·0	62·5	12·5	16 8	2·6	7·3	76·5	78·5	80·0	83·1	65·8	·634	·71	507	7·9
	23		·970	·841	·129	84·0	70·0	14·0	75·6	62·0	13·6	12·0	3·2	6·9	76.5	78·6	80·2	83·1	66·5	·649	·73	507	7·2
	24	○	·969	·817	·152	84·3	70·7	13·6	72.0	64·0	8·0	12·7	5·0	8·8	76.7	78·6	80·3	83·1	64·0	·598	·65	507	6·6
	25	Eq.																					
	26	Perigee.	·931	·769	·162	94·6	72·0	22·6	77·0	63·5	13·5	24·6	2·0	9·7	79·3	79·4	80·6	83·1	65·9	·636	·64	501	6·9
	27		·839	·811	·128	91·2	73·0	18·2	77·0	64·0	13·0	15·2	5·3	10·4	79·9	80 0	80·6	83·1	65·5	·629	·61	500	6·9
	28		·939	·826	·113	85·0	72·3	12·7	75 0	66·0	9·0	13·4	3·4	7·5	78·0	80·2	80·8	83·1	67·3	·666	·71	505	7·1

all the Meteorological Observations, and the Daily Changes in the state of the Weather.

Weight in Grains required for complete Saturation of a Cubic Foot of Air.	Quantity of Water actually evaporated in the Air.	Pressure of supposed Dry Air.	Rain: inches by Newman's Gauge.	Wind. Direction. From Midnight to Noon.	Wind. Direction. From Noon to Midnight.	Force in Pounds on a square foot. Greatest.	Least.	Range.	Atmospheric Electricity.	Extent of Cloudy Sky.	Clouds and Weather. A.M.	Clouds and Weather. P.M.
grs.	in.	in.				lb.	lb.	lb.				
3·4	0·298	29·315	none	NE & E	NW	0·8	0·0	0·8	none	3·7	Ni and Cui, motion NE; misty and lunar-halo.	Ni and Cui, motion variable.
3·5	·332	·346	,,	E	W	0·8	0·0	0·8	weak	0·6	Cui, motion W; misty,	Cui about hor.
4·1	·362	·371	,,	NE	variable	0·5	0·0	0·5	strong	3·1	Ni, motion E; misty.	Ni, motion E.
3·1	·299	·265	,,	,,	NW	0·6	0·0	0·6	weak	2·9	Ni, motion E.	Ni, motion ENE.
2·8	·261	·268	,,	calm	NW	1·0	0·0	1·0	none	5·1	Ni, Cui, and misty.	Ni and Cui, motion NE.
2·9	·283	·331	,,	calm&NE	,,	0·8	0·0	0·8	weak	2·3	Cui around hor.; misty.	Ni and Cui, motion E.
2·4	·222	·345	,,	NNE	,,	0·5	0·0	0·5	mod.	4·7	Ni and Cui, motion E.	Ni, Cui, lightning, and Cui.
2·6	·248	·361	,,	N	,,	1·5	0·1	1·4	weak	4·4	Cui, motion E; misty.	Cui, motion ENE.
3·2	·299	·372	,,	,,	NNW	0·6	0·0	0·6	,,	3·5	Ni and Cui, motion E; misty.	Cui, motion E.
3·2	·294	·306	,,	,,	NW	2·2	0·1	2·1	none	4·0	,, ,,	Cui, motion E; light and moderate wind.
2·0	·188	·145	,,	calm & ENE	NNW	0·5	0·0	0·5	weak	3·5	Ni, Cui, and Cui, motion ENE; misty.	Cui, Cui, Ni, and lightning.
2·4	·204	·156	,,	NNE	NW	0·8	0·0	0·8	none	5·1	Cui and Ni, motion E; lightning.	Cui, and Cui, motion E; lightning.
2·1	·179	·161	,,	calm&NE	,,	0·8	0·0	0·8	,,	5·9	Cui, motion E; misty.	Cui, motion E.
2·7	·236	·208	,,	NNW	,,	1·0	0·0	1·0	,,	2·6	,, ,,	Cui, Ni, and Cui, motion E.
3·2	·300	·338	,,	,,	,,	1·5	0·0	1·5	,,	1·3	Cui, motion E; misty and foggy.	Cui, motion E.
3·7	·326	·450	,,	,,	,,	1·8	0·0	1·8	,,	0·3	Cui around hor.	A few Ni in W hor.
4·3	·380	·497	,,	N	,,	0·8	0·1	0·7	,,	0·5	Misty in hor.	Ni scattered about.
3·5	·309	·417	,,	NNW	,,	1·0	0·0	1·0	weak	0·3	,,	Cui along E hor.
3·7	·328	·517	,,	N	,,	1·5	0·0	1·5	,,	..	A few Ni and misty.	A few Ni and misty.
4·4	·396	·552	,,	,,	,,	1·4	0·0	1·4	mod.	..	A few Ni, misty, and foggy.	Misty; light wind.
4·3	·396	·459	,,	NNE	,,	0·8	0·1	0·7	,,	..	Misty.	Cloudless.
2·6	·248	·321	,,	calm	WSW	0·4	0·0	0·4	spark	0·7	Misty, foggy, and dew.	Cui, motion E.
2·4	·217	·326	,,	NE	NW	1·5	0·0	1·5	weak	0·9	Cui and dew.	A few Ni at 6h. P.M.
3·1	·281	·411	,,	NNW	,,	1·5	0·0	1·5	none	..	Misty and foggy.	,, ,,
2·6	·232	·287	,,	,,	,,	0·7	0·0	0·7	mod.	1·9	Misty and dew.	Ni, motion E.
2·4	·214	·249	,,	N	,,	0·6	0·0	0·6	weak	1·7	Ni, dew, and hazy.	Ni, dew, and haze.
2·3	·218	·233	none	calm	W & NW	0·4	0·0	0·4	weak	2·7	Ni, misty, foggy, and dew.	Ni and dew.
2·4	·233	·208	,,	,,	,,	0·5	0·0	0·5	none	2·1	Ni, misty, and dew.	Ni and dew.
1·8	·182	·225	,,	N	,,	0·8	0·0	0·8	,,	..	Misty, foggy, and dew.	Cloudless.
2·0	·189	·223	,,	NNW	,,	1·5	0·0	1·5	,,	..	Misty, and dew.	Cloudless.
1·8	·158	·224	,,	calm & NNW	,,	0·7	0·0	0·7	,,	3·0	Ni, misty, foggy, and dew.	Ni till sunset.
1·8	·158	·279	,,	N & NNE	NNW	1·2	0·0	1·2	,,	1·2	Ni, misty, foggy, and dew.	Ni till sunset.
2·0	·194	·322	,,	N	,,	1·6	0·0	1·6	,,	2·5	Ni, misty, and dew.	Ni till sunset.
2·0	·172	·282	,,	NNW	,,	1·5	0·1	1·4	,,	2·5	Ni, Cui, misty, and dew.	Ni till sunset.
2·4	·231	·330	,,	NW	NW	1·0	0·0	1·0	weak	1·0	Ni, misty, and dew.	Ni till sunset.
1·8	·161	·275	,,	NNW	,,	1·5	0·1	1·4	,,	2·6	Ni, misty, and dew.	Ni till sunset.
1·5	·155	·283	,,	N	,,	1·5	0·0	1·5	,,	..	Ni at 6 A. M.; misty and dew.	Cui in afternoon.
1·9	·196	·308	,,	calm	,,	1·2	0·0	1·2	,,	0·6	Cui, motion SE; dew.	Cui till 1 P.M.
3·5	·330	·376	,,	N	,,	1·0	0·0	1·0	,,	..	Cloudless and misty.	Cloudless.
2·7	·257	·264	,,	calm & N	,,	0·8	0·0	0·8	S.	..	Cloudless and misty.	Haze in hor. in the evening.
4·2	·395	·394	,,	NNW	NNW	1·0	0·0	1·0	,,	1·1	Cloudless and misty.	Ni scattered about.
5·2	·476	·456	,,	NNE	NW	1·0	0·0	1·0	,,	..	Misty in hor. after sunrise.	Cloudless.
4·6	·419	·389	,,	calm	,,	0·7	0·0	0·7	,,	..	Misty in hor. after sunrise.	Cloudless.
3·6	·339	·330	,,	N	,,	0·5	0·0	0·5	weak	0·2	Ni and misty.	Ni and misty.
3·0	·271	·275	,,	calm	,,	0·7	0·0	0·7	,,	..	A few Ni, misty, and dew.	A few Ni at 6 P. M.
2·7	·260	·252	,,	,,	WNW	0·6	0·0	0·6	mod.	..	Misty and dew.	A few Cui in W hor. at 6 P.M.
3·4	·327	·289	,,	NW	NW	1·0	0·0	1·0	none	0·3	Ni and misty.	A few Ni.
3·9	·378	·216	,,	calm	NW	1·6	0·0	1·6	,,	0·3	Ni, dew, and misty.	Ni scattered about hor.
4·2	·411	·235	,,	calm & N	W	0·3	0·0	0·3	mod.	2·7	Ni and misty.	Clouded with Ni.
3·0	·286	·206	,,	calm	NW	1·0	0·0	1·0	,,	3·8	Ni, dew, and misty.	Ni around hor.

Notation used: Ni cirri; Cui cirro-cumuli; Cui cumuli; Cui cirro-strati; Cui cumulo-strati; and Cui nimbi; direction of wind by initial letters; hor., horizon.

TABLE II.—*Showing, in the Months of March and April, the Mean Daily Value of*

Days of the Month.	Phases of the Moon.	Barometer No. 58 corrected to 32° Fahrenheit.			Reading of Air Thermometers.									Ground Thermometers.				Mean daily Value of Hygrome				
					Thermometer in External and Air.			Wet Bulb Thermometer.			Difference between Wet Bulb Temperature and the Air Temperature.			Under the Surface of the Ground 1 inch.	Thermometer whose Bulb is 9 inches below the surface of the ground.	Thermometer whose Bulb is 20 inches below the surface of the ground.	Thermometer whose Bulb is 60 inches below the surface of the ground.	Dew-point.	Pressure of Moisture.	Humidity of Air. Saturation = 1·00.	Weight in Grains of a Cubic Foot of Air.	Weight in Grains of Vapour in a Cubic Foot of Air.
		Greatest.	Least.	Range.	Greatest.	Least.	Range.	Greatest.	Least.	Range.	Greatest.	Least.	Mean daily Value.									
		in.	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	in.		grs.	grs.
MARCH 1861.																						
1		29·965	29·829	0·136	82·8	71·0	11·8	76·5	69·7	6·8	7·8	1·2	3·7	76·7	79·7	80·8	83·1	71·2	0·755	0·85	508	8·1
2		·994	·893	·101	81·1	72·4	8·7	73·0	67·4	5·6	9·1	1·7	5·3	75·8	79·4	80·7	83·1	68·0	·682	·78	509	7·4
3	☾ Gtst. S. D.																					
4		·951	·826	·115	79·7	69·2	10·5	69·0	61·4	7·6	13·2	4·0	8·3	73·5	77·9	80·5	82·9	60·8	·538	·66	510	5·9
5		·965	·856	·109	80·4	68·5	11·9	68·5	63·8	4·7	14·0	3·4	8·3	73·5	77·5	80·2	82·7	60·8	·538	·66	510	5·9
6		·958	·842	·116	81·7	68·0	13.7	70·2	62·8	7·4	11·8	4·0	8·3	74·0	77·3	80·1	82·5	61·4	·548	·66	510	6·0
7		·903	·762	·141	83·3	67·0	16·3	73·0	61·0	12·0	13·6	3·5	7·7	74·3	77·2	79·8	82·4	62·7	·573	·69	508	6·4
8		·892	·795	·097	83.2	68·6	14·6	70·6	66·2	4·4	13·8	2·1	6·8	74·5	77·5	79·6	82·4	64·9	·615	·73	508	6·8
9																						
10	Eq.																					
11	●	·956	·811	·145	83·3	68·8	14·5	74·0	66·0	8·0	12·0	2·4	6·5	75·8	78·1	79·6	82·4	66·7	·653	·74	507	7.2
12		·934	·797	·137	97·0	71·4	25·6	76·0	68·0	8·0	25·6	2·4	9·4	79·5	79·1	79·7	82·5	66·7	·654	·65	500	7·1
13	Apogee.	·916	·817	·099	88·0	76·0	12·0	79·0	71·0	8·0	12·3	2·6	6·4	80·8	80·3	79·9	82·6	72·4	·784	·75	500	8·4
14		·895	·774	·121	88·2	75·2	13·0	79·5	72·0	7·5	9·2	1·6	4·7	80·2	80·9	80·2	82·6	74·0	·831	·82	499	8·9
15		·867	·742	·125	87·6	76·2	11·4	77·0	72·0	5·0	10·8	1·6	5·0	79·6	81·2	80·5	82·7	73·0	·799	·81	500	8·7
16		·890	·773	·117	84·7	74·0	10·7	76·3	71·6	4·7	8·6	2·0	4·7	78·5	80·8	80·7	82·7	72·0	·776	·81	503	8·5
17																						
18	Gtst. N. D.	·938	·807	·131	83·8	73·0	10·8	77·0	70·0	7·0	8·2	2·0	5·1	77·6	80·2	81·0	82·7	70·7	·745	·79	504	8·1
19		·898	·742	·156	85·0	71·8	13·2	76·0	68·0	8·0	10·8	2·0	6·8	78·0	80·2	81·5	83·0	68·8	·700	.73	502	7·7
20		·833	·736	·097	86·0	74·3	11·7	76·0	69·0	7·0	12·8	2·3	6·4	78·9	80·4	81·3	83·0	70·4	·737	·75	500	7·9
21		·865	·757	·108	85·1	71·8	13·3	74·0	68·8	5·2	13·7	2·8	7·1	77·6	80·3	81·2	82·9	67·7	·675	·72	504	7·4
22		·937	·791	·146	85·1	71·9	13·2	74·0	68·8	5·2	11·6	2·2	6·3	77·6	80·2	81·4	83·0	68·9	·701	·75	505	7·7
23		·953	·803	·150	84·4	73·4	11·0	74·0	70·0	4·0	10·5	2·8	6·1	77·7	80·1	81·3	83·0	69·3	·711	·76	505	7·7
24																						
25	Eq.	·939	·825	·114	84·7	73·2	11·5	74·0	70·2	3·8	12·2	2·2	6·3	77·9	80·2	81·3	83·0	69·2	·708	·75	506	7·7
26	○	·967	·833	·134	85·0	72·6	12·4	75·1	70·2	4·9	10·0	2·0	5·5	78·1	80·2	81·5	83·2	70·6	·741	·79	504	8·1
27	Perigee.																					
28		·884	·755	·128	86·9	73·8	13·1	79·0	71·2	7·8	9·6	1·5	4·9	79·2	80·7	81·6	83·3	72·8	·795	·81	500	8·7
29																						
30		·899	·812	·087	89·2	76·4	12·8	79·0	73·5	5·5	11·2	1·4	6·0	80·9	81·6	81·8	83·3	73·1	·803	·77	499	8·7
31	Gtst. S. Dec.																					
APRIL 1861.																						
1	☾	·883	·743	·140	88·2	77·4	10·8	79·2	75·0	4·2	10·0	1·2	4·9	81·1	82·2	82·5	83·5	74·8	·848	·81	498	9·2
2		·858	·723	·135	89·6	77·0	12·6	80·0	73·3	6·7	13·2	2·0	6·2	81·9	82·5	82·5	83·5	73·8	·823	·77	497	8·9
3		·858	·702	·156	89·8	77·6	12·2	79·0	73·5	5·5	15·2	3·4	8·0	82·3	82·8	82·9	83·6	71·9	·770	·71	496	8·3
4		·858	·719	·139	88·3	78·0	10·3	79·0	73·5	5·5	9·3	2·4	5·5	81·7	82·9	83·0	83·6	74·3	·836	·77	498	8·9
5		·827	·697	·130	89·6	75·4	14·2	78·0	73·0	5·0	11·8	1·7	5·9	81·3	82·8	83·2	83·7	73·5	·813	·78	497	8·9
6		·823	·688	·125	89·4	76·4	13·0	77·0	72·6	4·4	12·4	2·9	7·1	81·4	82·8	83·3	83·7	72·0	·776	·82	497	8·3
7	Eq.																					
8		·804	·663	·141	87·3	75·5	11·8	79·0	72·5	6·5	11·0	2·4	6·2	81·4	82·8	83·5	83·7	73·2	·807	·77	497	8·7
9	Apogee.	·787	·649	·138	87·8	76·6	11·2	79·5	73·5	6·0	10·3	2·5	6·0	82·0	83·0	83·5	83·7	74·2	·828	·77	496	8·9
10	● ☾	·780	·626	·154	90·4	77·3	13·1	80·0	73·3	6·7	14·4	3·4	8·1	83·3	83·4	83·3	83·6	72·6	·790	·70	494	8·6
11	☾	·795	·626	·169	92·8	78·2	14·6	77·0	69·2	7·8	17·3	6·0	11·3	84·4	84·0	83·5	83·7	69·2	·708	·61	492	7·6
12	☾	·756	·621	·135	88·8	77·8	11·0	76·2	73·0	3·2	13·8	4·6	8·3	82·8	84·0	83·5	83·8	71·3	·758	·69	495	8·0
13	☾	·733	·621	·112	90·2	79·0	11·2	77·5	73·0	4·5	13·8	4·3	7·6	82·6	83·9	83·9	84·0	71·9	·773	·71	494	8·3
14																						
15	Gtst. N. Dec.	·812	·689	·123	89·0	78·6	10·4	79·0	73·2	5·8	11·4	2·8	5·8	81·3	83·4	83·9	84·0	73·8	·822	·78	497	8·9
16		·854	·753	·101	89·6	77·7	11·9	80·0	74·5	5·5	10·0	3·1	6·7	82·5	83·5	84·0	84·0	73·8	·822	·75	497	8·8
17	☽	·882	·761	·121	89·7	79·1	10·6	80·2	75·6	4·6	10·0	3·0	5·6	82·8	83·8	84·0	84·0	75·5	·868	·79	497	9·5
18		·875	·745	·130	87·8	77·8	10·0	81·0	75·2	5·8	8·5	2·0	5·0	82·2	83·8	84·0	84·0	75·6	·871	·81	497	9·5
19		·861	·727	·134	89·1	77·7	11·4	80·5	74·2	6·3	10·3	3·5	6·7	83·4	84·0	84·0	84·0	74·7	·816	·75	496	9·1
20		·851	·740	·111	91·0	77·8	13·2	80·6	75·2	5·4	15·3	1·8	7·3	83·8	84·3	84·0	84·0	74·2	·832	·73	496	8·8
21	Eq.																					
22		·853	·731	·122	87·0	77·6	9·4	80·0	74·0	6·0	7·4	2·0	4·8	82·0	84·0	84·0	84·1	75·5	·869	·82	498	9·5
23	Perigee.	·816	·696	·120	87·2	78·6	8·6	79·0	75·0	4.0	9·5	3·0	5·4	82·2	83·9	84 3	84·5	75·0	·856	·80	497	9·2
24	○	·783	·693	·090	88·2	77·0	11·2	80·0	73·5	6·5	9·0	2·3	5·7	82·3	83·8	84·2	84·5	74·7	·846	·78	496	9·2
25		·813	·716	·097	89·3	77·2	12·1	80·4	74·0	6·6	11·3	3·0	6·6	82·7	83·9	84·4	84·4	74·0	·828	·75	496	8·8
26		·868	·734	·134	88·0	78·4	9·6	80·0	74·0	6·0	9·7	4·0	6·2	82·2	84·0	84·5	84·6	74·0	·827	·76	497	8·9
27		·834	·711	·123	88·2	77·5	10·7	80·0	74·2	5·8	10·7	2·5	5·3	82·1	83·8	84·5	84·5	74·7	·846	·80	498	9·2
28	Gtst. S. Dec.																					
29		·828	·714	·114	89·6	77·2	12·4	79·8	74·1	5·7	10·4	2·5	6·1	82·7	84·0	84·5	84·6	74·6	·842	·77	496	9·2
30		·837	·735	·102	89·9	78·2	11·7	79·0	74·5	4·5	11·6	3·2	6·3	82·7	84·1	84·5	84·6	74·4	·837	·76	497	8·9

all the Meteorological Observations, and the Daily Changes in the state of the Weather.

Hygrometric Deductions. Weight in Grains required for complete Saturation of a Cubic Foot of Air.	Hygrometric Deductions. Quantity of Water actually evaporated in the Air.	Pressure of supposed Dry Air.	Rain: inches by Newman's Gauge.	Wind. Direction. From Midnight to Noon.	Wind. Direction. From Noon to Midnight.	Wind. Force in Pounds on a square foot. Greatest.	Least.	Range.	Atmospheric Electricity.	Extent of Cloudy Sky.	Clouds and Weather. A.M.	Clouds and Weather. P.M.
											Notation used: ≀ cirri : ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi; direction of wind by initial letters; hor., horizon.	
grs.	in.	in.	in.			lb.	lb.	lb.				
1·5	0·141	29·131	none.	calm	NW	0·8	0·0	0·8	mod.	1·0	≀, current SE; misty.	≀ and dew.
2·2	·197	·255	,,	NW		0·6	0·0	0·6	none	3·4	≀, and ≀, motion SE; misty, foggy, and dew.	≀ and ≀, motion E.
3·1	·286	·347	,,	NE	,,	1·6	0·0	1·6	weak	2·1	≀, motion SE; misty and foggy.	A few ≀ and ≀.
3·1	·284	·361	,,	N	,,	1·5	0·1	1·4	,,	..	A few ≀ in the morning; misty and foggy.	Cloudless.
2·9	·287	·348	,,	NW & NE	,,	1·5	0·0	1.5	mod.	0·1	A few ≀ in the morning; misty and foggy.	A few ≀ at 6 P.M.
2·9	·274	·267	,,	N	,,	1·0	0·0	1·0	,,	..	≀ in the morning; misty and foggy.	Cloudless.
2·5	·247	·226	,,	calm	,,	1·3	0·0	1·3	weak	..	Misty, foggy, and dew.	Cloudless.
2·4	·241	·230	,,	calm & NNE	NNW	1·4	0 0	1·4	none	..	Misty, foggy, and dew; ≀ at 7 A.M.	Haze in E hor.
4·0	·370	·198	,,	NE & calm	NW	1·4	0·0	1·4	,,	2·2	≀, misty, dew, and foggy.	≀, current S; foggy.
2·7	·266	·074	,,	calm&NE	SSW	0·8	0 0	0·8	weak	2·2	≀, motion SE; misty and foggy.	≀, ≀, and ≀; a few drops of rain.
2·2	·194	·012	,,	calm	variable	0·5	0·0	0·5	,,	2·8	≀, motion N; misty, foggy, and dew.	≀, ≀, and ≀, motion ESE; lightning.
2·1	·203	·004	,,	calm and SW	W	0·5	0·0	0·5	none	3·6	≀, ≀, and ≀, motion N; light drops of rain.	≀, ≀, ≀, ≀, and lightning.
2·1	·187	·048	,,	variable	NW	0·6	0·0	0·6	,,	0·5	≀, dew, misty, and foggy.	Cloudless.
2·1	·199	·122	,,	NW&NE	NW	1·4	0·1	1·3	weak	0·8	≀, motion SE; dew, misty, and foggy.	Cloudless.
2·8	·264	·115	,,	NNE & NE	,,	1·4	0·0	1·4	,,	..	Misty, foggy, and dew.	Light haze.
2·9	·252	·049	,,	NNW & calm	WNW	0·5	0·0	0·5	mod.	..	Misty, foggy, and dew.	Cloudless.
2·8	·273	·135	,,	calm	NW & WNW	1·0	0·0	1·0	weak	0·3	Fleecy clouds, misty, and dew.	Light haze.
2·4	·242	·153	,,	calm & SE	W	0·4	0·0	0·4	,,	0·3	≀, misty, and dew.	A few ≀.
2·4	·238	·160	,,	E	WNW	0·6	0·0	0·6	,,	3·0	≀, motion SE; misty and foggy.	≀, motion SE.
2·5	·244	·172	,,	NE	NW	0·8	0·0	0·8	,,	1·3	≀, motion SE; dew.	Cloudless.
2·4	·213	·151	,,	N	,,	0·8	0·0	0·8	,,	..	A few pieces of clouds; dew.	Cloudless.
2·1	·198	·035	,,	NW & N	WNW & NW	1·0	0·0	1·0	,,	0·5	≀, dew, and misty.	A few pieces of Clouds.
2·8	·250	·050	,,	calm	W & calm	0·5	0·0	0·5	none	2·7	≀, motion NW; dew and misty.	≀, motion ESE.
2·3	·205	28·962	none	NW	NW	0·8	0·0	0·8	none	2·5	≀, motion SE; ≀ and dew.	≀, motion SE.
2·9	·260	·972	,,	calm	W & WNW	1·5	0·0	1·5	,,	1·9	≀, motion NE; dew, misty, and haze.	Haze.
3·5	331	29·003	,,	,,	NW	2·0	0·0	2·0	weak	2·2	≀, ≀, ≀, lightning, and misty; drops of rain.	≀ and ≀; lightning in SE.
2·6	·231	28·944	,,	,,	variable	0·6	0·0	0·6	none	2·0	≀ and ≀, motion SE; misty.	A few ≀; dew.
2·6	·247	·940	,,	,,	,,	0·4	0·0	0·4	weak	0·3	≀, ≀, dew, and haze.	A few clouds in hor.; dew.
3·2	·296	·975	,,	ENE	NW & WNW	0·8	0·0	0·8	,,	0·1	A few clouds in hor; misty and dew.	Cloudless.
2·8	·256	·929	,,	N	NW	1·0	0·0	1·0	none	0·2	≀, ≀, dew, and misty.	A few light ≀.
2·6	·256	·894	,,	,,	,,	1·5	0·0	1·5	,,	..	≀, dew, and misty.	Cloudless.
4·6	·349	·917	,,	NW	,,	1·5	0·0	1·5	weak	0·8	≀, dew, and misty.	≀ and lightning in E.
4·9	·482	29.000	,,	NNW	,,	1·8	0·0	1·8	mod.	1·1	≀, misty, and haze.	≀ about hor.
3·8	·353	28·926	,,	NW	,,	1·5	0·1	1·4	weak	6·0	≀ and ≀, motion N; misty.	≀, ≀, and ≀, motion ENE; thunder.
3·5	·321	·904	,,	,,	,,	1·2	0·1	1·1	,,	7·9	≀, motion NE; drops of rain.	≀, ≀, and ≀, motion NE. [of rain.
2·6	·241	·927	,,	WNW	,,	1·0	0·0	1·0	strong	7·0	≀ and ≀, motion SE; drops of rain.	≀, ≀, ≀, ≀, and lt.; slight shower
2·9	·286	·984	,,	calm	variable	0·5	0·0	0·5	weak	2·1	≀ and ≀, motion NNE.	≀, ≀, ≀, ≀, and lightning.
2·3	·240	·958	,,	variable	SSW&WNW	0·6	0·0	0·6	none	4·0	≀ and ≀, motion NE; lightning.	≀, ≀, and ≀, motion SE; lightning.
2·3	·216	·939	,,	WNW	WNW	1·2	0·0	1·2	,,	1·9	≀, motion NE; lightning, dew, and misty.	≀, ≀, and lightning.
3·0	·293	·957	,,	calm	NW	1·0	0·0	1·0	,,	1·0	≀, ≀, and haze.	≀ and ≀, motion W.
3·4	·318	·967	,,	NNW	,,	1·0	0·0	1·0	,,	1·3	≀, dew, and misty.	≀, motion N.
2·0	·204	·918	,,	N & NNW	W	0·7	0·1	0·6	,,	0·7	A few ≀, misty, and haze.	≀ and ≀, motion ESE.
2·3	0·230	·906	,,	NW & N	WNW	0·8	0·0	0·8	,,	2·0	≀, motion SSE; slight drops of rain.	A few ≀.
2·6	·244	·891	,,	calm & N	NW	1·0	0·0	1·0	weak	0·0	Misty, foggy, and dew.	A few ≀ at 6 P.M.
3·0	·282	·926	,,	NNW	,,	1·3	0·0	1·3	none	0·6	≀ and dew.	≀, motion W.
2·9	·260	·971	,,	,,	,,	1·2	0·0	1·2	,,	2·3	≀, motion N.	≀ and ≀, motion W; dew.
2·3	·227	·934	,,	calm	WNW	1·0	0·0	1·0	,,	2·0	≀, motion W; dew, misty, and haze.	≀, motion ENE.
2·6	·265	·923	,,	,,	S & SW	0·6	0·0	0·6	weak	4·2	≀, motion ESE; dew.	≀ and ≀, motion ENE.
2·9	·271	·951	,,	NW & NE	W & NW	0·6	0·0	0·6	,,	1·9	≀, motion variable.	A few pieces of ≀ in hor.

TABLE III.—*Showing, in the Months of May and June, the Mean Daily Value of*

Days of the Month.	Phases of the Moon.	Barometer No. 58 corrected to 32° Fahrenheit.			Reading of Air Thermometers.									Ground Thermometers.				Mean daily Value of Hygrome			
					Thermometer in External and Air.			Wet Bulb Thermometer.			Difference between Wet Bulb Temperature and the Air Temperature.			Under the Surface of the Ground 1 inch.	Thermometer whose Bulb is 9 inches below the surface of ground.	Thermometer whose Bulb is 20 inches below the surface of the ground.	Thermometer whose Bulb is 60 inches below the surface of the ground.	Dew-point.	Pressure of Moisture.	Humidity of Air. Saturation = 1·00.	Weight in grains of a Cubic Foot of Air.
		Greatest.	Least.	Range.	Greatest.	Least.	Range.	Greatest.	Least.	Range.	Greatest.	Least.	Mean daily Value.								
		in.	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	in.		grs.
1	☾	29·872	29·762	0·110	87·6	78·2	9·4	80·0	75·2	4·8	8·5	2·0	4·7	82·5	84·0	84·5	84·6	76·0	0·883	0·82	497
2		·861	·712	·149	90·0	79·4	10·6	82·0	76·0	6·0	9·0	2·4	5·3	83·5	84·3	84·7	84·8	76·8	·904	·80	496
3		·861	·744	·117	91·0	78·4	12·6	80·4	75·0	5·4	11·0	3·4	6·1	83·7	84·5	85·0	85·0	75·7	·874	·77	496
4	Eq.	·851	·744	·107	90·8	78·4	12·4	79·5	76·0	3·5	11·3	1·8	5·8	83·2	84·5	85·2	85·2	75·5	·868	·78	496
5																					
6		·855	·731	·124	91·5	78·7	12·8	81·0	76·0	5·0	11·0	2·7	6·3	83·9	84·8	85·2	85·2	76·0	·881	·77	494
7	Apogee.	·830	·731	·099	90·6	78·6	12·0	80·5	75·2	5·3	10·3	3·3	6·1	83·8	84·9	85·2	85·2	75·9	·878	·77	495
8		·845	·721	·124	91·0	80·2	10·8	81·0	76·5	4·5	11·8	3·4	6·8	84·3	85·0	85·3	85·3	75·5	·867	·75	493
9	●	·820	·707	·113	91·5	78·4	13·1	80·0	75·0	5·0	12·0	3·4	7·5	84·0	85·0	85·3	85·3	74·1	·830	·72	493
10		·836	·729	·107	91·7	81·0	10·7	80·0	76·0	4·0	12·7	4·0	7·1	84·4	85·2	85·4	85·3	75·1	·856	·74	493
11		·870	·757	·113	90·0	80·8	9·2	79·7	75·3	4·4	12·0	4·4	7·3	84·2	85·2	85·1	85·0	74·8	·837	·73	494
12	Gtst. N. Dec.																				
13		·844	·732	·112	90·0	80·0	10·0	79·0	75·0	4·0	11·4	4·0	7·6	83·4	84·8	85·1	85·0	73·6	·816	·72	495
14		·795	·717	·078	90·0	80·2	9·8	78·0	74·4	3·6	12·5	5·5	8·6	83·6	84·8	85·0	85·0	72·5	·787	·69	493
15		·800	·709	·091	91·2	80·9	10·3	79·2	75·0	4·2	12·3	5·0	8·0	84·1	84·9	85·0	84·9	73·9	·825	·71	493
16		·812	·721	·091	89·9	81·4	8·5	79·4	76·8	2·6	11·4	4·0	7·3	84·1	85·1	85·1	85·0	74·8	·848	·73	493
17	☽	·810	·724	·086	90·0	80·8	9·2	79·4	76·0	3·4	11·0	4·4	7·1	84·6	85·1	85·1	85·0	74·8	·850	·74	493
18	Eq.	·795	·689	·106	92·0	81·0	11·0	81·2	76·5	4·7	11·3	3·4	6·8	84·6	85·3	85·1	85·0	76·1	·886	·74	493
19																					
20		·675	·590	·085	92·0	82·0	10·0	83·6	79·0	4·6	10·0	2·1	4·7	85·3	85·8	85·2	85·0	79·4	·982	·82	489
21		·673	·588	·085	91·6	82·2	9·4	84·0	79·0	5·0	9·8	2·4	5·2	85·6	86·1	85·3	85·1	79·1	·973	·81	489
22	Perigee.	·687	·584	·103	92·8	82·2	10·6	82·5	78·0	4·5	10·3	3·2	6·1	85·7	86·2	85·3	85·1	77·8	·934	·78	489
23	○	·677	·575	·102	93·5	81·6	11·9	83·0	78·6	4·4	11·0	2·6	6·1	86·0	86·4	85·4	85·1	78·3	·948	·78	488
24																					
25	Gtst. S. Dec.	·670	·580	·090	93·0	81·6	11·4	83·0	79·0	4·0	10·3	2·4	5·9	85·8	86·5	85·6	85·2	78·4	·951	·78	489
26																					
27		·669	·601	·068	92·8	82·5	10·3	82·0	78·5	3·5	10·8	3·5	6·4	85·9	86·6	85·8	85·3	77·8	·933	·76	489
28		·681	·586	·095	93·7	82·0	11·7	82·2	77·5	4·5	12·7	3·0	7·4	86·1	86·7	85·9	85·3	76·8	·906	·74	489
29		·660	·570	·090	94·0	82·6	11·4	82·0	78·0	4·0	12·2	4·0	7·4	86·5	86·9	86·1	85·5	77·2	·915	·73	488
30		·627	·527	·100	94·0	83·4	10·6	82·6	79·0	3·6	13·0	3·7	7·2	86·9	87·2	86·1	85·5	77·7	·931	·74	486
31	☾ Eq.	·615	·500	·115	90·2	81·0	9·2	82·1	79·0	3·2	9·4	0·7	4·5	85·2	86·9	86·1	85·5	78·9	·967	·83	489
1		·562	·429	·133	91·5	80·8	10·7	82·0	78·4	3·6	10·0	1·3	5·0	84·9	86·6	86·2	85·5	78·1	·943	·82	488
2																					
3	Apogee.	·668	·541	·127	84·0	75·4	8·6	79·0	70·0	9·0	10·0	1·6	4·3	79·5	84·0	86·3	85·8	73·3	·810	·83	488
4		·747	·622	·125	89·8	80·2	9·6	83·0	74·0	9·0	9·2	2·2	4·6	83·7	84·7	86·1	85·9	78·0	·941	·83	494
5		·771	·690	·081	90·6	80·6	10·0	82·6	76·0	6·6	8·6	2·4	5·0	84·4	85·3	86·0	86·0	78·2	·945	·81	493
6		·755	·683	·072	90·0	80·0	10·0	83·0	77·0	6·0	8·3	2·3	4·5	83·9	85·5	86·0	86·0	78·0	·940	·83	494
7		·736	·665	·071	90·0	78·4	10·6	83·0	75·0	8·0	6·2	2·0	3·9	83·0	85·5	86·0	86·1	77·7	·931	·85	495
8	N Dec. ●	·710	·641	·069	87·0	78·0	9·0	83·0	76·0	7·0	4·2	1·7	3·2	82·7	85·1	86·0	86·0	78·1	·943	·87	494
9																					
10		·746	·674	·072	91·1	82·0	9·1	82·5	78·5	4·0	9·3	3·0	5·6	85·0	85·8	86·1	86·0	78·0	·940	·79	491
11		·749	·678	·071	90·7	81·5	9·2	81·2	77·5	3·7	9·5	2·5	6·0	84·7	85·9	86·1	86·0	77·2	·913	·78	492
12		·792	·704	·088	89·8	80·0	9·8	82·0	76·0	6·0	8·8	3·2	5·6	84·6	85·9	86·1	86·1	77·1	·914	·79	493
13		·786	·724	·062	90·0	80·0	10·0	81·5	77·0	4·5	8·5	3·0	5·3	84·5	85·8	86·1	86·2	77·5	·925	·80	493
14		·763	·682	·081	86·4	74·5	11·9	81·0	72·8	8·2	5·6	1·0	2·9	81·4	85·3	86·1	86·2	76·5	·896	·88	497
15	Eq. ☽	·700	·643	·057	89·3	79·0	10·3	81·0	75·0	6·0	9·3	1·0	5·7	83·4	84·5	86·1	86·3	76·0	·881	·78	493
16																					
17		·642	·570	·072	88·6	80·2	8·4	82·7	77·0	5·7	7·2	2·7	4·5	83·4	84·9	85·6	86·1	77·4	·921	·82	492
18		·732	·587	·145	87·1	79·6	7·5	80·4	76·6	3·8	7·6	2·0	4·2	82·7	84·8	85·5	86·0	76·8	·906	·84	494
19	Perigee.	·753	·663	·090	88·8	80·0	8·8	81·6	77·2	4·4	7·8	1·5	4·2	83·7	85·0	85·4	85·9	78·1	·944	·84	494
20		·742	·636	·106	84·3	78·8	5·5	80·4	77·0	3·4	4·3	0·3	2·5	82·2	84·9	85·3	85·9	78·1	·943	·90	496
21		·673	·588	·085	84·9	76·0	8·9	79·4	74·8	4·6	5·6	0·5	2·5	80·9	84·2	85·3	85·9	76·9	·907	·90	497
22	S Dec. ○	·666	·586	·080	84·3	79·0	5·3	80·6	76·2	4·4	5·0	1·5	3·1	81·3	84·1	85·2	85·9	76·7	·903	·87	495
23																					
24		·749	·639	·110	85·8	79·0	6·8	81·0	77·0	4·0	5·6	1·7	3·3	82·1	83·9	85·0	85·9	77·5	·924	·87	496
25		·761	·639	·122	87·1	76·6	10·5	81·2	76·2	5·0	7·6	0·2	3·0	81·4	83·9	85·0	86·0	77·1	·914	·88	497
26		·698	·611	·087	82·6	79·2	3·4	80·0	77·0	3·0	3·0	0·8	1·9	80·9	83·9	84·9	85·9	77·7	·930	·92	497
27		·626	·530	·096	84·0	78·4	5·6	80·0	76·1	3·9	4·5	0·8	2·2	80·8	83·6	84·7	85·9	77·4	·923	·91	495
28	Eq.	·594	·507	·087	87·4	78·0	9·4	81·1	77·0	4·1	6·4	0·7	2·8	82·0	83·8	84·7	85·9	78·2	·947	·89	493
29	☾	·636	·547	·089	87·5	76·8	10·7	81·5	75·5	6·0	6·0	0·2	2·4	81·7	83·9	84·5	85·8	78·2	·947	·90	495
30																					
31																					

MAY 1861.

JUNE 1861.

all the Meteorological Observations, and the Daily Changes in the state of the Weather.

Weight in Grains required for complete Saturation of a Cubic Foot of Air.	Quantity of Water actually evaporated in the Air.	Pressure of supposed Dry Air.	Rain: inches by Newman's Gauge.	Wind. Direction. From Midnight to Noon.	Wind. Direction. From Noon to Midnight.	Force in Pounds on a square foot. Greatest.	Force in Pounds on a square foot. Least.	Force in Pounds on a square foot. Range.	Atmospheric Electricity.	Extent of Cloudy Sky.	Clouds and Weather. A.M.	Clouds and Weather. P.M.
											Notation used: Ci cirri; Ci cirro-cumuli; Cu cumuli; Ci-St cirro-strati; Cu-St cumulo-strati; and N nimbi; direction of wind by initial letters; hor. horizon.	
grs.	in.	in.	in.			lb.	lb.	in.				
2·3	0·204	28·928	None	N & NNW	NW & WNW	0·8	0·2	0·6	none	3·0	Ci and Cu, motion SE; dew.	Cu and Ci, motion SE.
2·4	·232	·884	,,	NNW	NW	1·5	0·1	1 4	weak	4·1	Cu, motion E; dew.	Cu, motion NW.
2·7	·269	·914	,,	variable	variable	0·5	0·0	0 5	,,	1·4	Cu, motion E; dew.	Cu, motion SSE.
2·7	·253	·920	,,	calm & N	SW	0·4	0·0	0·4	,,	3·4	Ci and Ci-St, motion SE; dew.	Ci and Ci-St, motion NE.
3·0	·276	·908	,,	calm	,,	0·4	0·0	0·4	none	2 5	Ci-St, motion E; dew.	Ci-St, motion E.
2·7	·268	·898	,,	,,	WSW	0·4	0 0	0·4	weak	2·2	Ci-St, motion SE; dew.	,, ,,
3·0	·300	·908	,,	calm & SW	SW	0·4	0·0	0·4	none	2·0	Ci-St, motion variable.	Ci-St, motion variable.
3·7	·330	·927	,,	calm	,,	0·5	0·0	0·5	weak	3·0	Ci-St, motion variable; dew.	Ci-St, motion NE.
3·3	·315	·9	,,	W	W	0·8	0·0	0·8	none	2·2	Ci-St, motion NE; slight drops of rain.	Ci-St, motion E.
3·7	·320	·969	,,	WNW	W & WNW	0·6	0·0	0·6	,,	1·8	Ci-St, motion SE.	Cu-St, motion SE.
3·4	·327	·963	,,	NW	W	0·6	0·0	0·6	weak	2·9	Ci-St, motion SE.	Ci-St, motion E.
3·9	·373	·971	,,	W & NW	,,	0·7	0·0	0·7	none	3·3	Ci-St, motion SE.	,, ,,
3·7	·350	·925	,,	WNW	,,	0·3	0 0	0·3	mod.	3·1	Ci-St, motion SE.	,, ,,
3·4	·319	·914	,,	W	WNW	1·0	0·0	1·0	none	2·1	Ci-St and Cu, motion SE.	Ci-St and Cu, motion SE.
3·4	·310	·915	,,	NW	W	0·7	0·1	0·6	weak	3·2	Ci-St, motion SE.	Ci-St, Cu-St, and Cu, motion E.
3·1	·304	·844	,,	W & WNW	SW	0·4	0·0	0·4	,,	4·1	Cu-St, motion E.	Ci-St, motion E.
2·5	·219	·646	,,	S	SSW	1·5	0·4	1·1	,,	5·5	Cu and Ci-St, motion variable; drops of rain.	Ci-St, motion NE; drops of rain.
2·5	·239	·652	,,	SSW & S	,,	0·8	0·2	0·6	,,	4·1	Cu and Ci-St, motion NNE; drops of rain.	Cu-St, Ci-St, and Cu, motion NE; drops of rain.
2·8	·278	·695	,,	SSW	SW	0·8	0·2	0 6	,,	5·2	Ci-St, motion NE; slight rain.	Ci-St, motion NE; slight rain.
3·2	·280	·671	0·01	SW	,,	0·5	0·1	0·4	,,	4·1	Ci-St, motion NE; light rain in the morning.	Ci-St, motion ENE. [morning.
2·8	·273	·673	0·04	SW	SW	0·6	0·0	0·6	none	5·1	Ci and Cu, motion ENE; light rain in the	Ci-St, motion ENE; light rain at 9 P.M.
3·2	·295	·701	None	S	SW	0·8	0·2	0·6	weak	3·0	Ci and Cu, motion NE; lunar-halo.	Cu and Ci-St, motion NE.
3·6	·336	·729	,,	calm & S	W & SW	0·4	0·0	0·4	,,	3·8	Ci-St, motion NE.	Cu and Ci-St, motion NE; lightning. [rain.
3·6	·343	·702	,,	S	SW & calm	0·5	0·0	0·5	spark	5·8	Ci and Cu, motion NE; lunar-halo.	Cu and Ci-St, motion NE; lightning and slight
3·7	·339	·648	,,	calm	SW	0·5	0·0	0·5	weak	7·2	Cu and Ci-St, motion N; lunar-halo.	Cu, Ci-St, and Cu, motion NE; lightning.
2·1	·204	·595	0·58	SE	SW & S	0·8	0·0	0·8	spark	7·3	Cu and Ci-St, motion variable; lt. th., and rain.	Cu, Cu, Ci-St, and Ci-St; lt.-th., and drops of rain.
2·4	·223	·563	0·02	SE	S	2·0	0·3	1·7	none	5·9	Cu, and Ci-St motion NE; lightning and rain.	[and rain. Cu Ci-St, Cu, and Ci-St, motion NE; lightning
1·8	·173	·793	0·95	W & NW	variable	8·0	0·3	7·7	spark	8·0	Ci-St, motion E; rain.	Ci-St, motion NE; slight rain.
2·1	·204	·741	None	SW & WSW	W & WSW	0·8	0·1	0·7	weak	6·8	Ci-St and Cu, motion NE.	Ci-St, Cu, and Cu, motion NE; rain.
2·4	·222	·787	0·01	WSW	,,	0·8	0·1	0·7	none	4·8	Ci-St and Cu, motion NE; rain.	Ci-St and Cu, motion ENE; rain.
2·1	·203	·780	0·33	,,	SW	0·6	0·1	0·5	weak	5·0	Ci-St and Cu, motion ENE; slight rain.	Ci-St and Cu, motion ENE; rain.
1·7	·173	·768	0·33	SW	,,	0·7	0 1	0 6	spark	6·0	Ci-St, motion ENE; rain.	Ci-St and Cu, motion ENE; rain.
1·7	·140	·736	0·46	,,	variable	0·6	0·0	0·6	weak	6·7	Ci-St, motion ENE; rain.	Cu-St, motion ENE; thunder and rain.
2·8	·253	·767	None	WSW	W	0·5	0·1	0·4	none	5·0	Ci-St, Cu, and Cu, motion NE; light rain.	Ci-St, motion ENE.
2·7	·265	·804	,,	SW	WSW	0·6	0·1	0·5	,,	4·8	Ci-St and Cu, motion ENE.	Ci-St and Cu, motion NE; drops of rain.
2·7	·250	·837	0·07	,,	SW	0·8	0·1	0·7	weak	4·0	Ci-St and Cu, motion NE; light rain.	Ci-St and Cu, motion NE; light rain.
2·4	·239	·825	0·22	,,	,,	0·8	0·1	0·7	none	4·5	Ci-St and Cu, motion NE; light rain.	Ci-St, motion NE.
1·3	·125	·827	1·31	S	variable	1·8	0·0	1·8	spark	5·8	Ci-St, Cu, and Cu, motion NNE; rain.	Ci-St, motion NE; light rain.
2·7	·251	·788	0·04	W	W	0·8	0·0	0·8	weak	5·4	Ci-St, motion E; light rain.	Ci-St and Cu, motion ENE; slight rain.
2·4	·200	·689	None	SW & SSE	SW	0·8	0·1	0·7	none	6·8	Ci-St and Cu, motion ENE.	Ci-St, Cu, and Cu, motion NE.
2·0	·181	·750	0·42	SSE	,,	1·2	0·1	1·1	,,	6·3	Ci-St and Cu, motion NE; rain.	Ci-St, Cu, and Cu, motion NE; lunar-halo.
2·1	·185	·761	0·10	,,	WSW	0·7	0·0	0·7	,,	7·0	Ci-St, Cu, and Cu, motion NE; rain.	Ci-St and Cu, motion ENE.
1·4	·110	·748	0·97	variable	,,	0·6	0·1	0·5	spark	8·0	Ci-St, motion NE; lightning, thunder, and rain.	Ci-St, motion ENE; lunar-halo and rain.
1·0	·107	·733	1·30	SSE	,,	0 8	0·0	0·8	weak	7·9	Ci-St, Cu, lunar-halo, and rain.	Ci-St, Cu, and Cu, motion E; rain.
1·3	·134	·726	0·29	WSW	SSW	0·8	0·0	0 8	none	7·7	Ci-St, Cu, and Cu, motion E; rain.	Ci-St and Cu, motion ENE; rain. [thunder, and rain.
1·4	·133	·777	0·01	SE	W & WSW	0·5	0·1	0·4	mod.	7·5	Ci-St and Cu, motion ENE; thunder and rain.	Cu, Cu, Cu, and Ci-St; lunar-halo, lightning,
1·3	·129	·786	1·05	calm & SW	W	0·5	0·0	0·5	none	7·0	Cu, Cu, thunder, and rain.	Cu, Cu, Cu, Ci-St, and rain.
0·7	·081	·725	0·61	S	W & calm	0·7	0.0	0·7	,,	8·0	Ci-St and Cu, motion E; rain.	Cu, Ci-St, thunder, and rain.
1·0	·091	·657	0·23	S & ENE	NW & calm	0·5	0·0	0·5	,,	7·7	Ci-St and Cu, motion NE; rain.	Ci-St, Cu, and drops of rain.
1·4	·122	·611	0·02	SSE	W & SSW	0·5	0·0	0·5	,,	6·7	Cu, Cu, and Ci-St; a few drops of rain.	Cu, Ci-St, lightning, thunder, and rain.
1·0	·103	·642	0·45	variable		1·0	0·0	1·0	,,	6·9	Ci-St, lightning, and rain.	Cu, Ci-St, motion E; lightning and rain.

TABLE IV.—*Showing, in the Months of July and August, the Mean Daily Values of*

	Days of the Month.	Phases of the Moon.	Barometer No. 58 corrected to 32° Fahrenheit.			Reading of Air Thermometers.									Ground Thermometers.				Mean daily Value of Hygrome				
						Thermometer in External and Air.			Wet Bulb Thermometer.			Difference between Wet Bulb Temperature and the Air Temperature.			Under the Surface of the Ground 1 inch.	Thermometer whose Bulb is 9 inches below the surface of the ground.	Thermometer whose Bulb is 20 inches below the surface of the ground.	Thermometer whose Bulb is 60 inches below the surface of the ground.	Dew-point.	Pressure of Moisture.	Humidity of Air. Saturation = 1·00.	Weight in Grains of a Cubic Foot of Air.	Weight in Grains of Vapour in a Cubic Foot of Air.
			Greatest.	Least.	Range.	Greatest.	Least.	Range.	Greatest.	Least.	Range.	Greatest.	Least.	Mean daily Value.									
			in.	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	in.		grs.	grs.
JULY 1861.	1	Apogee.	29·672	29·593	0·079	80·4	76·4	4·0	78·5	76·0	2·5	2·3	0·0	0·8	78·6	82·9	84·1	85·6	77·0	0·912	0·97	500	9·9
	2		·623	·554	·069	81·3	77·0	4·3	79·0	77·0	2·0	3·0	0·0	1·2	79·3	82·5	84·4	85·8	77·5	·926	·95	498	10·2
	3		·619	·527	·092	82·0	79·9	2·1	80·0	78·0	2·0	2·5	0·9	1·9	80·7	82·7	84·2	86·3	78·2	·946	·92	494	10·2
	4		·666	·566	·100	86·6	79·4	7·2	82·5	78·0	4·5	4·4	0·8	2·4	82·1	83·3	84·1	86·2	79·0	971	·90	494	10·4
	5	Gtst. N. Dec.	·690	·612	·078	86·4	80·6	5·8	82·0	78·6	3·4	5·4	1·5	3·0	82·6	83·7	84·3	86·2	78·7	·960	·88	494	10·4
	6		·678	·596	·082	85·0	80·3	4·7	81·0	78·0	3·0	4·0	1·3	2·7	82·1	83·9	84·0	86·0	78·5	·955	·89	495	10·4
	7	●																					
	8		·690	·621	·069	88.4	80·5	7·9	82·0	76·8	5·2	7·5	1·8	4·4	82·1	84·0	84·4	86·1	77·5	·924	·83	494	10·1
	9		·671	·598	·073	87·0	79·8	7·2	80·5	77·0	3·5	6·5	2·2	3·8	82·4	84·1	84·5	86·0	77·2	·915	·85	495	9.8
	10		·640	·555	·085	84·6	79·9	4·7	80·6	77·2	3·4	4·9	2·0	3·3	82·2	84·0	84·5	86·0	77·3	·920	·87	494	9·8
	11		·617	·537	·080	87·8	78·5	9 3	81·0	77·0	4·0	7·2	1·5	3·8	82·4	83·8	84·6	86·0	77·0	·911	·85	494	9·8
	12	Eq.	·612	·501	·111	87·4	79·0	8·4	81·0	77·5	3·5	6·4	1·5	3·4	82·3	84·0	84·6	86·0	77·5	·926	·86	493	10·1
	13		·549	·462	·087	83·7	77·0	6·7	80·0	76·0	4·0	4·7	0·0	1·7	80·3	83·6	84·5	86·0	77·1	·912	·94	497	9·9
	14	☽																					
	15		·655	·543	·112	80·6	76·6	4·0	78·0	76·0	2·0	3·1	0·2	1·2	78·9	82·6	84·0	85·5	76·7	·901	·95	500	9·9
	16	Perigee.	·651	·590	·061	84·2	76·6	7·6	79·0	76·2	2·8	5·2	0·0	2 2	79·8	82·3	84·0	86·0	76·7	·903	·91	496	9·8
	17	●	·630	·570	·060	83·2	77·6	5·6	79.0	75·4	3·6	4·2	1·2	2·8	80·2	82·4	84·0	86·0	76·4	·892	.88	496	9·5
	18	Gtst. S. Dec.	·650	·573	·077	80·4	75·5	4·9	78·0	75·0	3·0	3·0	0·1	1·4	78·2	82·0	83·6	85·9	75·7	·874	·94	500	9·6
	19		·652	·585	·067	80·0	76·4	3·6	77·8	75·0	2·8	2·4	0·0	1·3	78·4	81·5	83·6	85·9	76·2	·887	·94	500	9·6
	20		·690	·588	·102	81·4	75·8	5·6	78·5	74·0	4·5	3·0	0·4	1·8	78·9	81·5	83·3	85·6	76·1	·884	·92	499	9·6
	21	○																					
	22		·683	·610	·073	82·6	79·0	3·6	79·0	76·6	2·4	3·6	1·0	2·2	80·0	82·1	83·1	85·5	76·8	·904	·91	497	9·8
	23		·648	·574	·074	82·5	76·6	5·9	79·0	75·2	3·8	4·9	0·2	2·3	79·5	82·0	83·1	85·5	76·1	·886	·90	498	9·5
	24		·738	·589	·149	85.0	77·7	7·3	80·7	76·2	4·5	4·8	1·0	2·8	80·4	81·9	83·3	85·4	76·8	·906	·89	496	9·8
	25	Eq.	·777	·692	·085	85·4	79·0	6·4	80·0	76·8	3·2	5·4	1·8	3·2	80·9	82·3	83·1	85·2	76 8	·904	·87	498	9·8
	26		·779	·709	·070	83·0	79·0	4·0	79·0	76·4	2·6	4·5	2·0	2·9	80·4	82·4	83·0	85·0	76·4	·893	·88	499	9·5
	27		·768	·698	·070	84·7	78·8	5·9	80·4	76 0	4·4	5·2	1·7	3·3	80·9	82·4	83·0	85·0	76·4	·893	·87	498	9·5
	28	Apogee																					
	29	☾	·777	·686	·091	82·9	78·0	4·9	80·0	75·0	5·0	4 2	2·0	2·9	80·5	82·5	83·0	85·0	76·5	·896	·88	499	9·8
	30		·775	·700	·075	84·2	79·0	5·2	79·2	76·8	2·4	5·2	2·0	3·4	81·1	82·6	83·0	85·0	76·3	·891	·86	497	9·5
	31		·726	·646	·080	86·4	79·3	7·1	80·0	76·2	3·8	6·6	2·4	4·0	81·5	82·7	83·1	85 0	76·1	·886	·84	496	9·5
AUGUST 1861.	1		·760	·646	·114	87·3	79·0	8·3	80·4	76·0	4·4	7·3	2·5	4·4	81·8	82·9	83·3	85·0	76·1	·884	·83	496	9·5
	2	Gtst. N Dec.	·797	·708	·089	83·2	78·2	5·0	78·2	75·0	3·2	5·9	2·4	3·7	80·5	82·7	83·1	84·8	75·2	·859	·85	499	9·2
	3		·787	·707	·080	85·0	78·4	6·6	78·8	76·0	2·8	7·0	2·2	3·9	81·0	82·7	83·0	84·7	75·8	·876	·84	499	9 5
	4																						
	5		·792	·700	·092	86·7	79·2	7·5	79·2	76·2	3·0	8·0	2·6	4·9	81·9	82·9	83·0	84·6	75·6	·870	·81	497	9·5
	6	●	·801	·685	·116	88·0	79·2	8·8	79·0	76·0	3·0	9·0	3·0	5·5	82·4	83·1	83·0	84·5	75·2	·860	·79	496	9·2
	7		·771	·660	·111	86·4	78·2	8·2	80·0	76·7	3·3	7·4	1·2	4·1	81·8	83·2	83·0	84·4	76·3	·889	·84	496	9·5
	8	Eq.	·763	·69·	·073	84·4	79·2	5·2	78·0	76·2	1·8	6·4	2·0	3·8	81·0	83·0	83·0	84·4	75·6	·871	·85	497	9·5
	9		·772	·667	·105	86·8	78·6	8·2	79·0	76·0	3·0	8·2	2·1	4·8	81·6	82·9	83·0	84·3	75·4	·864	·81	496	9 2
	10	Perigee.	·769	·673	·096	86·0	79·0	7·0	80·2	76·2	4·0	6·2	1·7	3·8	81·6	83·1	83·0	84 3	76 4	·893	·85	496	9·5
	11																						
	12	☾	·751	·643	·108	80·7	75·5	5·2	78·0	75·0	3·0	3·5	0·0	1·6	78·5	82·4	82·9	84·2	75·6	·870	·93	502	9·6
	13	☽	·687	·606	·071	83·2	75·2	8·0	79·4	74·4	5·0	4·8	0·0	1·4	78·4	81·5	82·9	84·2	76·5	·877	·94	501	9·9
	14	Gtst. S. Dec.	·690	·604	·086	78·0	75·7	2·3	77·5	75·3	2·2	1·4	0·0	0·5	77·3	81·2	82·6	84 0	76·1	·885	·98	502	9·6
	15		·662	·576	·086	78·0	75·5	2·5	77·0	75·2	1·8	1·5	0·0	0·5	77·0	80·6	82·4	84·0	75·8	·876	·98	502	9·6
	16		·642	·555	·087	81·1	75·6	5·5	79·0	75·2	3·8	2·8	0·0	1·2	78·2	80·6	82·2	84·0	76·1	·885	·95	500	9·6
	17		·639	·551	·088	80·4	76·5	3·9	78·5	75·2	3·3	2·0	0·1	1·9	77·9	80·6	82·0	84·0	76·2	·885	·96	501	9·6
	18																						
	19																						
	20		·622	·494	·128	79·2	76·0	3·2	77·2	75·8	1·4	2·4	0·0	0·9	77·7	80·3	81·6	84·0	76·1	·885	·96	500	9·6
	21	○ Eq.	·709	·578	·131	82·3	76·0	6·3	79·6	75·3	4·3	3·6	0·4	1·8	79·2	80·5	81·4	83·9	76·7	·901	·92	499	9·9
	22		·733	·642	·091	82·3	77·0	5·3	79·0	76·0	3·0	3·5	1·0	1·9	79·1	80·8	81·3	83·9	76·5	·895	·92	500	9·9
	23		·757	·684	·073	81·7	76·0	5·7	78·4	75·0	3·4	4·0	1·0	2·2	78·8	80·8	81·2	83·8	75·6	·870	·91	500	9·5
	24		·764	·681	·083	82·0	76·6	5·4	78·4	75·3	3·1	4·0	0·6	2·2	78·8	80·6	81·1	83·7	75·6	·870	·91	500	9·5
	25	Apogee.																					
	26	●	·783	·697	·086	81·5	76·8	4·7	78·5	76·0	2·5	3·0	0·4	1·5	78·8	81·0	81·0	83·6	76·5	·895	·94	501	9·9
	27		·779	·682	·097	83·3	75·2	8·1	80·0	75·2	4.8	3·3	0·0	1·2	78·5	80·7	81·0	83·5	76·7	·902	·95	502	9·9
	28	☾	·765	·680	·085	84·6	76·8	7·8	81·0	75·8	5·2	3·6	0·2	1·8	79·6	80·9	81·0	83·5	77·2	·916	·92	498	9·9
	29	Gtst. N. Dec.	·743	·647	·096	83·8	77·2	6·6	80·6	76·4	4·2	4·0	0·2	1·7	79·6	81·1	81·1	83·5	77·1	·914	·93	498	9·9
	30		·668	·591	·077	79·7	76·0	3·7	78·0	76·0	2·0	1·7	0·0	0·8	77·8	80·9	81·1	83·5	76·2	·887	·97	502	9·9
	31		·703	.620	·083	81·2	76·4	4·8	78·0	75·8	2·2	3·2	0·0	1·5	78·6	80·6	81·0	83·4	76·4	·892	·94	501	9·6

all the Meteorological Observations and the Daily Changes in the state of the Weather.

Weight in Grains required for complete Saturation of a Cubic Foot of Air.	Quantity of Water actually evaporated in the Air.	Pressure of supposed Dry Air.	Rain: inches by Newman's Gauge.	Wind. Direction. From Midnight to Noon.	Wind. Direction. From Noon to Midnight.	Wind. Force in Pounds on a square foot. Greatest.	Least.	Range.	Atmospheric Electricity.	Extent of Cloudy Sky.	Clouds and Weather. A.M.	Clouds and Weather. P.M.
grs.	in.	in.	in.			lb.	lb.	lb.				
0·3	0·034	28·715	5·37	W	WNW	3·0	0·5	2·5	strong	8·0	∿i, motion E; rain.	∿i, motion E; rain.
0·3	·046	·662	3·06	SW	WSW	5·5	0·7	4·8	none	8·0	,, ,,	,, ,,
0·9	·081	·630	0·15	WSW & W	W & WSW	1·5	0·5	1·0	strong	8·0	,, ,,	,, ,,
1·1	·108	·641	0·05	WSW	W	0·7	0·1	0·6	none	7·6	∿i, motion ENE; rain.	,, ,,
1·4	·134	·690	0·04	W	W & NW	0·7	0·1	0.6	,,	7·4	∿i, motion E; slight rain.	∿i, motion E; drops of rain.
1·1	·114	·686	0·03	,,	W	0·8	0·1	0·7	,,	8·0	∿i, motion E; passing rain.	,, ,,
1·7	·194	·729	0·00	W	W	1·0	0·1	0·9	,,	7·2	≀ and ∿i, motion E.	∿i, motion E; slight rain.
1·7	·165	·722	0·17	,,	,,	0·3	0 0	0·3	,,	7·6	∿i and ≀, motion E; rain.	∿i, ≀, and drops of rain.
1·7	·143	·684	0·00	,,	S	0·6	0·0	0·6	,,	6·4	∿i and ≀, motion E.	∿i, ≀, and lunar-halo.
1·7	·166	·671	0·02	S	SW	0·6	0·0	0·6	,,	6·0	∿i, ≀, rainbow, and slight rain.	∿i, ≀, and slight rain.
0·4	·143	·635	0·11	SW & SE	SW & W	0·8	0·0	0·8	,,	7·7	∿i and ≀, motion NE; drizzling rain.	∿i, ≀, and rain.
0·6	·071	·605	1·57	calm	SW	0·8	0·0	0·8	,,	8·0	∿i, motion N; drizzling rain.	∿i, motion N; light rain.
0·3	·051	·703	2·94	WSW	SW	2·5	0·1	2·4	,,	8·0	∿i, motion NE; rain.	∿i, motion NE; rain.
1·0	·092	·721	1·28	SW	,,	3·5	0·3	3·2	,,	8·0	∿i, motion E; rain.	∿i, motion E; rain.
1·3	·119	·708	0·09	,,	,,	2·7	0·3	2·4	,,	8·0	∿i, motion E; slight rain.	,, ,,
0·6	·057	·735	1·25	,,	,,	3·7	0·3	3·4	,,	8·0	∿i, motion NE; rain.	,, ,,
0·6	·053	·732	1·75	,,	,,	2·7	0·4	2·3	,,	8·0	∿i, motion E; rain.	,, ,,
0·9	·074	·760	0·65	,,	,,	2·2	0·3	1·9	,,	8·0	∿i, motion NE; rain.	∿i, motion NE; light rain.
1·0	·094	·747	0·33	W	WSW	1·5	0·0	1·0	,,	8·0	∿i, motion E; wind and rain.	∿i, motion E; rain.
1·0	·097	·731	1·12	SW	W	2·5	0·6	1·9	,,	8·0	,, ,,	,, ,,
1·3	·118	·754	0·07	WSW	SW	1·4	0·4	1·0	,,	8·0	,, ,,	∿i, motion E; slight rain.
1·3	·136	·834	0·01	SW	,,	0·7	0·2	0·5	,,	7·8	∿i, motion E; light rain.	∿i, motion E.
1·3	·121	·841	0·02	,,	WSW	0·7	0·1	0·6	,,	7·9	∿i, motion E.	∿i, motion E; slight rain.
1·6	·137	·842	0·02	,,	SW	0·6	0·1	0·5	,,	7·9	,, ,,	∿i, motion E; light rain.
1·0	·121	·843	0·04	SW	SW	0·8	0·1	0·7	,,	7·6	∿i and ∿i, motion ENE; slight rain.	∿i, motion ENE; slight rain.
1·6	·146	·838	none.	W	WSW	0·6	0·1	0·5	,,	7·8	∿i and ∿i, motion ENE; drops of rain.	∿i, motion E.
2·0	·171	·806	,,	SW	,,	0·6	0·2	0·4	,,	7·8	∿i, motion E.	,, ,,
2·0	·185	·824	none	SW	WSW	0·6	0·1	0·5	none	5·8	∿i, motion ENE.	∿i and ≀, motion, E; comet visible.
1·6	·155	·898	,,	WSW	SW	0·4	0·0	0·4	,,	6·8	∿i, motion E; rain.	∿i and ≀, motion E; comet.
1·6	·164	·872	0·03	,,	NW	0·7	0·0	0·7	,,	6·7	∿i, motion E.	∿i, motion E; slight rain.
2·0	·207	·876	none	NW	NW	0 8	0·2	0·6	,,	6·1	∿i, motion E; drizzling rain.	∿i and ≀, motion ESE.
2·6	·237	·884	,,	,,	,,	0·8	0·2	0·6	,,	6·5	∿i, motion SE; drops of rain.	∿i, motion SE.
2·0	·174	·837	0·02	,,	,,	0 8	0·1	0·7	,,	7·0	∿i, motion SE; light rain.	∿i and ≀, motion SE; lightning.
1·6	·159	·853	0·14	,,	,,	0·8	0·3	0·5	,,	7·6	∿i, motion SE; lightning in ENE.	∿i and ≀, motion SE.
2·3	·203	·857	none	,,	,,	0·8	0·1	0·7	,,	6·5	∿i, motion SE; light rain.	⌒i, ∿i, ≀, and ∿i, motion SE.
2·0	·162	·829	0·35	,,	WNW & NW	0·5	0·1	0·4	,,	6·0	∿i, motion SE; rain.	∿i, ≀, and light rain.
0·9	·064	·698	1·70	NW	NW & W	0·6	0·1	0·5	,,	8·0	∿i, motion SE; lightning, thunder, and rain.	∿i, motion SE; rain.
0·6	·059	·778	0·55	W	WNW	0·8	0·1	0·7	,,	7·8	∿i, motion SE; rain.	∿i, motion E; rain.
0·3	·023	·753	5·49	WSW	W	1·0	0·1	0·9	mod.	8·0	,, ,,	,, ,,
0·0	·020	·744	1·79	W	NW	1·5	0·0	1·5	none	8·0	∿i, motion E; rain and gusts of wind.	∿i, motion E; rain.
0·6	·049	·709	0·16	wnw&wsw	SW & W	1·0	0·0	1·0	,,	7·9	∿i, motion ENE; rain.	∿i, motion NE; rain.
0·3	·037	·673	0·56	NW	SW	1·5	0·1	1·4	,,	8·0	,, ,,	∿i, motion ENE; rain.
0·3	·037	·673	0·56	NW	SW	1·5	0·1	1·4	,,	8·0	∿i, motion ENE; rain.	∿i, motion ENE; rain.
0·6	·075	·743	0·41	WSW	WSW	1·0	0·2	0·8	,,	7·9	∿i, motion E; rain.	∿i, motion E; rain.
0·6	·078	·794	0·26	,,	,,	1·5	0·3	1·2	,,	8·0	∿i, motion ENE; rain.	∿i, motion ENE; rain.
1·0	·088	·852	0·29	,,	,,	2·0	0·4	1·6	,,	8·0	,, ,,	,, ,,
1·0	·091	·853	0·32	SW	SW	1·0	0·3	0·7	,,	7·7	,, ,,	,, ,,
0·6	·063	·838	0·43	sw&wsw	WSW	1·0	0·1	0·9	,,	8·0	∿i, motion ENE; rain.	∿i, motion ENE; rain.
0·3	·050	·825	2·03	WSW	wsw&sw	1·0	0·1	0·9	,,	7·9	∿i, motion E; rain.	,, ,,
0·9	·076	·865	0·24	SW	WSW	0·5	0·1	0·4	,,	6·9	∿i, motion ENE; rain.	∿i, motion ENE; drops of rain.
0·9	·075	·780	0·37	W	,,	0·5	0·1	0·4	,,	7·7	∿i, motion E; rain.	∿i, motion ENE; light rain.
0·3	·032	·748	1·47	WSW	wsw & w	0·8	0·1	0·7	,,	8·0	,, ,,	∿i, motion E; rain.
0·6	·063	·770	0·58	W	W	1·0	0·1	0·9	,,	7·8	,, ,,	,, ,,

TABLE V.—*Showing, in the Months of September and October, the Mean Daily Value of*

Month	Days of the Month.	Phases of the Moon.	Barometer No. 58 corrected to 32° Fahrenheit.			Reading of Air Thermometers.							Ground Thermometers.				Mean daily Value of Hygrome				
						Thermometer in External and Air.			Wet Bulb Thermometer.			Difference between Wet Bulb Temperature and the Air Temperature.									
			Greatest.	Least.	Range.	Greatest.	Least.	Range.	Greatest.	Least.	Range.	Greatest.	Least.	Mean daily Value.	Under the Surface of the Ground 1 inch.	Thermometer whose Bulb is 9 inches below the surface of ground.	Thermometer whose Bulb is 30 inches below the surface of the ground.	Thermometer whose Bulb is 60 inches below the surface of the ground.	Dew-point.	Pressure of Moisture.	Humidity of Air. Saturation = 1·00.	Weight in grains of a Cubic Foot of Air.	Weight in Grains of Vapour in a Cubic Foot of Air.
			in.	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	in.		grs.	grs.
SEPTEMBER 1861.	1																						
	2		29·728	29·638	0·090	84·3	77·6	6·7	79·8	76·0	3·8	6·2	1·0	3·0	79·9	81·0	81·3	83·2	76·1	0·883	0·88	498	9·5
	3		·760	·674	·086	83·8	77·0	6·8	79·0	75·4	3·6	5·8	1·0	3·1	79·9	81·2	81·5	83·3	75·7	·873	·87	498	9·5
	4	Eq. ●	·724	·627	·097	83·6	78·0	5·6	79·0	76·0	3·0	5·3	1·4	3·2	80·1	81·3	81·7	83·3	75·8	·876	·87	497	9·5
	5		·714	·622	·092	82·9	78·6	4·3	78·3	76·3	2·0	5·6	2·0	3·1	79·9	81·4	81·7	83·3	75·7	·873	·88	497	9·5
	6	Perigee.	·769	·668	·101	84·2	77·3	6·9	79·0	76·0	3·0	5·0	1·3	3·2	80·3	81·4	81·6	83·2	76·0	·883	·87	497	9·5
	7		·797	·703	·094	84·3	78·8	5·5	79·0	76·0	3·0	7·0	2·0	3·5	80·1	81·5	81·7	83·3	75·6	·872	·86	498	9·5
	8	●																					
	9		·758	·682	·076	84·3	75·7	8·6	79·0	74·0	5·0	5·3	0·4	2·7	78·9	81·2	81·7	83·2	75·1	·856	·89	500	9·2
	10	Gtst. S. Dec.	·761	·690	·071	85·5	75·5	10·0	79·0	74·0	5·0	6·5	1·0	3·2	79·5	81·1	81·7	83·1	75·2	·861	·87	498	9·2
	11	☽	·818	·719	·099	85·0	76·8	8·2	78·0	74·0	4·0	7·0	1·6	3·4	79·3	81·2	81·9	83·1	74·6	·842	·86	501	9·2
	12		·865	·787	·078	86·2	76·5	9·7	79·0	75·2	3·8	7·7	1·2	3·5	79·9	81·2	82·0	83·1	75·4	·865	·86	500	9·2
	13		·880	·792	·088	86·3	77·2	9·1	78·5	74·2	4·3	8·5	1·4	4·4	80·1	81·4	82·1	83·2	74·7	·845	·82	500	9·2
	14		·879	·797	·082	86·6	77·0	9.6	78·0	73·3	4·7	8·7	3·0	5·4	80·3	81·5	82·1	83·2	73·3	·810	·78	500	8·7
	15																						
	16		·824	·729	·095	85·0	77·8	7·2	77·5	73·0	4·5	8·7	2·8	5·1	80·6	81·4	82·0	83·1	73·2	·807	·79	500	8·7
	17	Eq.	·842	·750	·092	84·8	75·4	9·4	77·0	73·0	4·0	8·8	1·6	4·3	78·9	81·1	82·0	83·0	73·2	·805	·83	502	8·7
	18	○	·909	·791	·118	85·5	75·5	10·0	77·0	73·5	3·5	9·0	1·7	4·8	79·4	81·0	82·0	83·0	73·2	·807	·81	501	8·7
	19		·889	·776	·113	85·4	77·4	8·0	78·0	73·0	5·0	10·0	2·0	5·6	79·9	81·1	82·0	83·0	72·8	·795	·78	500	8·7
	20		·875	·759	·116	85·0	77·8	7·2	76·0	73·0	3·0	9·8	2·8	5·7	79·8	81·1	82·0	83·0	72·4	·786	·78	500	8·4
	21		·873	·775	·098	85·6	75·8	9·8	77·4	72·5	4·9	9·0	2·0	5·3	79·4	81·1	81·9	83·0	72·3	·784	·79	500	8·4
	22	Apogee.																					
	23		·857	·753	·104	86·2	77·0	9·2	78·0	74·2	3·8	8·7	2·0	4·8	80·3	81·3	81·7	82·9	74·3	·834	·81	499	8·9
	24		·862	·768	·094	85·0	77·6	7·4	79·0	75·8	3·2	7·1	1·6	4·4	80·8	81·6	81·7	82·9	75·2	·859	·83	499	9·2
	25	Gtst. N. Dec.	·867	·745	·122	86·9	79·3	7·6	79·0	76·0	3·0	8·1	2·1	4·9	81·7	81·8	81·9	83·0	75·6	·871	·81	498	9·5
	26	☾	·875	·751	·124	86·4	77·2	9·2	80·0	75·8	4·2	7·2	1·2	4·4	81·4	82·1	82·1	83·0	75·9	·880	·83	498	9·5
	27		·859	·736	·123	86·6	76·6	10·0	80·6	75·0	5·6	6·0	1·1	3·3	81·2	82·4	82·2	83·1	76·8	·905	·86	499	9·8
	28		·825	·704	·121	85·9	76·3	9·6	80·5	75·0	5·5	6·1	1·0	3·1	80·4	82·1	82·1	83·0	76·4	·892	·87	498	9·5
	29																						
	30		·788	·681	·107	82·6	76·5	6·1	78·5	75·4	3·1	5·0	0·2	2·4	79·3	81·7	82·1	82·9	76·0	·882	·90	501	9·5
OCTOBER 1861.	1		·810	·712	·098	83·2	76·8	6·4	79·0	74·2	4·8	4·7	2·0	3·0	79·9	81·7	82·0	82·8	75·9	·878	·87	499	9·5
	2	Eq.	·847	·744	·103	85·0	76·6	8·4	79·0	75·0	4·0	7·0	0·8	3·2	80·3	81·8	82·0	83·0	76·1	·886	·87	499	9·5
	3	●	·912	·788	·124	84·2	77·3	6·9	79·0	74·6	4·4	8·0	2·2	4·3	79·8	81·8	82·2	83·0	74·1	·830	·83	501	8·9
	4	Perigee.	·947	·815	·132	84·2	75·6	8·6	77·5	74·0	3·5	8·2	1·4	4·2	79·2	81·5	82·0	83·0	73·6	·817	·83	503	8·9
	5		·895	·781	·114	84·2	75·7	8·5	76·2	73·0	3·2	8·7	1·1	4·3	79·0	81·4	82·0	83·0	73·1	·804	·83	503	8·7
	6	●																					
	7		·868	·770	·098	84·4	74·8	9·6	78·0	73·0	5·0	7·5	1·6	4·2	78·8	80·8	82·0	83·0	73·2	·805	·83	502	8·7
	8	Gtst. S Dec.	·934	·826	·108	85·6	75·0	10·6	77·0	73·4	3·6	9·2	1·5	4·8	79·0	81·0	82·0	83·0	72·8	·796	·80	501	8·7
	9		·923	·810	·113	85·8	75·5	10·3	77·4	73·4	4·0	8·8	2·0	4·6	79·3	81·1	82·0	83·0	73·3	·808	·82	501	8.7
	10	♄	·901	·803	·098	85·9	76·1	9·8	78·0	73·5	4·5	9·4	1·2	4.8	79·7	81·2	82·0	83·0	73·4	·812	·81	501	8·7
	11		·920	·823	·097	86·6	77·4	9·2	78·4	74·4	4·0	9·6	2·0	5·1	80·2	81·5	82·0	83·0	73·8	·822	·80	500	8·9
	12		·955	·847	·108	85·5	78·1	7·4	78·3	75·0	3·3	8·0	2·2	4·8	80·6	81·7	82·0	83·0	74·4	·839	·81	501	8·9
	13																						
	14	Eq.	·972	·831	·141	87·0	77·8	9·2	80·0	76·0	4·0	8·0	1·8	4·4	81·3	82·2	82·0	83·0	75·8	·876	·83	500	9·5
	15		·932	·797	·135	86·7	78·0	8·7	81·0	74·2	6·8	6·2	1·5	3·6	81·4	82·5	82·4	83·4	76·7	·903	·86	499	9·8
	16		·924	·821	·103	86·0	78·0	8·0	80·0	76·2	3·8	7·0	1·2	3·6	80·9	82·5	82·6	83·4	76·1	·886	·86	500	9·5
	17		·941	·826	·115	84·6	76·4	8·2	77·6	74·0	3·6	7·1	1·4	4·0	79·8	82·2	82·8	83·5	74·4	·839	·84	501	8·9
	18	○	·962	·853	·109	84·0	74·9	9·1	78·0	73·0	5·0	8·3	1·6	4·2	78·9	81·7	82·5	83·4	73·3	·808	·83	504	8·7
	19	Apogee.	·991	·858	·133	84·2	75·5	8·7	76·0	72·0	4·0	9·0	3·2	5·5	79·2	81·3	82·5	83·6	71·6	·766	·78	504	8·9
	20																						
	21		·930	·787	·143	87·0	76·8	10·2	80·0	75·5	4·5	8·5	0·0	4·1	80·6	81·8	82 5	83·5	75·6	·870	·84	500	9·5
	22		·943	·799	·144	83·0	75·0	8·0	78·0	74·0	4·0	6·0	1·0	3·5	79·8	82·0	82·5	83·5	74·8	·848	·86	501	9·2
	23	Gtst. N Dec.	·940	·791	·149	87·2	75·0	12·2	80.0	73 0	7·0	8·1	0·2	3·4	80·1	82·0	82·5	83·5	75·8	·877	·87	501	9.5
	24		·908	·791	·117	86·3	76·0	10·3	80·0	74·0	6·0	6·7	1·4	3·8	79·7	81·8	82·5	83·5	74·8	·848	·85	501	9·2
	25		·903	·788	·115	84·8	75·6	9·2	78·0	73·6	4·4	8·5	1·2	4·1	79·6	81·7	82·5	83·5	74·1	·829	·84	500	8·9
	26	☾ ○	·913	·791	·122	86·2	76·6	9·6	80 0	75·2	4·8	6·6	0·8	3·3	80·5	82·0	82·5	83·5	76·3	·889	·87	501	9·5
	27																						
	28		·905	·794	·111	90·0	77·7	12·3	79·0	73·6	5·4	13·8	2·0	5·5	81.5	82·3	82·5	83·7	74·6	·844	·79	499	9·2
	29	Eq.	·925	·822	·103	87·9	76·4	11·5	79·0	74·4	4·6	10·0	1·0	5·1	81·3	82·5	82·9	83·8	74·7	·847	·81	500	9·2
	30		·929	·789	·140	88·0	76·7	11·3	79·0	74·7	4·3	10·0	1·4	4·9	81·5	82·6	83·0	83·8	75·4	·865	·81	499	9·2
	31		·895	·756	·139	89·6	76·5	13·1	77·5	70·0	7·5	14·4	2·4	7·5	81·1	82·6	83·0	83·7	70·5	·739	·71	499	8·0

all the Meteorological Observations, and the Daily Changes in the state of the Weather.

Weight in Grains required for complete Saturation of a Cubic Foot of Air.	Quantity of Water actually evaporated in the Air.	Pressure of supposed Dry Air.	Rain: inches by Newman's Gauge.	Wind. Direction. From Midnight to Noon.	Wind. Direction. From Noon to Midnight.	Force in Pounds on a square foot. Greatest.	Force in Pounds on a square foot. Least.	Force in Pounds on a square foot. Range.	Atmospheric Electricity.	Extent of Cloudy Sky.	Clouds and Weather. A.M.	Clouds and Weather. P.M.
grs.	in.	in.	in.			lb.	lb.	lb.				
1·3	0·127	28·797	0·00	WNW	NW	0·6	0·1	0·5	none	6·6	Ni, motion ESE; slight rain.	Ci and Ni, motion E; drops of rain.
1·3	·128	·838	0·06	W	WNW	0·8	0·0	0·8	,,	7·6	Ni and Ni, motion E; rain.	Ci and Ni, motion E; rain.
1·3	·132	·799	0·30	,,	W	1·5	0·3	1·2	,,	7·4	Ni and Ni, motion E; rain and light wind.	Ni, motion NE; rain and light wind.
1·3	·128	·790	0 01	WSW	WSW	1·6	0·5	1·1	,,	7·4	Ni, motion NE; *slight rain.*	Ni, motion NE; light wind.
1·6	·134	·842	0·16	,,	,,	1·6	0·1	1·5	,,	7·7	Ni, motion ENE; rain and gusts of wind.	Ni, motion ENE.
1·6	·145	·881	0·02	,,	W & WNW	1·0	0·1	0·9	,,	7·8	Ni, motion ENE.	Ni, motion ENE; passing rain.
1·3	·108	·866	0·27	WSW	WSW	0·8	0·0	0·8	,,	7·5	Ni, motion ENE; rain.	Ni and Ni, motion ENE; rain.
1·6	·131	·861	0·19	SW	,,	0·5	0·0	0·5	,,	5·9	,, ,,	Ni, motion ENE; slight rain.
1·3	·137	·929	none	,,	,,	0·7	0·0	0·7	,,	6·0	Ci and Ni, motion NE.	Ci and Ni, motion NE; lunar-halo.
1·6	·146	·959	,,	SSW	SSW & calm	0·7	0·0	0·7	,,	4·3	Ni and Ni, motion N.	Ci, Ni and Ni, motion NE; a lunar-halo
1·9	·182	·989	,,	calm & WSW	WSW & W	0·6	0·0	0·6	,,	4·3	Ni and Ni, motion NE.	Ni and Ni, motion ENE.
2·4	·224	29·020	,,	W	WSW	0·5	0·0	0·5	,,	5·2	Ni and Ni, motion ENE.	Ci, Ni, and Ni, motion ENE.
2·1	·210	28·973	0·03	,,	NW	0·5	0·0	0·5	,,	6·4	Ci and Ni, motion E; *slight* rain.	Ci and Ni, motion E.
1·8	·171	·985	0·04	NW	NNW	0·8	0·0	0·8	weak	6·2	Ni, motion E; light rain.	Ci, Ni, and Ni; slight drops of rain.
2·1	·194	29·038	none	N	N & NNW	0·7	0·0	0·7	none	3·7	Ni, motion SE; dew; drops of rain.	Ni and Ni, motion SE.
2·4	·229	·040	,,	NNW & NE	NNW	0·6	0·0	0·6	,,	3·9	Ni, motion ESE.	Ni and Ni, motion SE; lunar-halo.
2·4	·231	·029	,,	,,	,,,	0·5	0·0	0·5	,,	4·7	Ni, Ni, and rainbow; drops of rain.	Ni and Ni, motion E.
2·4	·214	·030	,,	NNW & NNE	,,	0·5	0·0	0·5	,,	4·3	Ni, motion E.	Ci, Ni and Ni, motion E; lunar-halo.
2·2	·196	28·978	,,	NNW	,,	0·5	0·0	0·5	,,	4·1	Ni and Ni, *motion* ESE; dew; a lunar-halo.	Ci, Ni and Ni, *motion* S.
1·9	·183	·953	,,	,,	NW	0·4	0·0	0·4	,,	6·0	Ni and Ni, motion NE; dew; drops of rain.	Ci, Ni, and Ni, drizzling rain.
2·0	·209	·938	,,	NW	,,	0·7	0·0	0·7	,,	5·5	Ni, motion ESE; drops of rain. [rain.	Ci, Ni, Ni, and lightning; a lunar-halo.
2·0	·187	·930	0·04	NNW & ESE	,,	0·8	0·1	0·7	,,	6·7	Ni and Ni, motion variable; a lunar-halo and	Ci, Ni, and Ni; lt., th., rainbow, and light rain
1·3	·142	·903	0·09	NNW	,,	1·0	0·0	1·0	spark	6·3	Ni, motion S; lt., th., rain, and rainbow.	Ci, Ni, Ni, and Ni; lt., th., rainbow, and rain.
1·6	·132	·881	0·37	NNE	NW & NNW	0·8	0·0	0·8	,,	6·9	Ni and Ni, motion S; lightning, dew, and mist.	Ci, Ni, Ci, Ni, and Ni; lt., th., and rain.
1·0	·097	·854	0·43	NNW & calm	NNW & NW	0·7	0·0	0·7	none	7·3	Ni, motion S; lightning and rain; dew.	Ci and Ni, motion SE; cirri.
1·3	·127	·883	0·04	NW	NW	0·6	0·1	0·5	none	6 9	Ni, motion S; slight rain.	Ni and Ni, motion SSE.
1.6	·135	·910	0·32	calm	,,	0·8	0·0	0·8	,,	4·8	Ni and Ni, motion S; rain.	Ni and Ni, motion SE.
1·9	·175	29·027	none	NW	,,	0·8	0·0	0·8	weak	6·5	Ni, *motion* SE; slight rain.	Ni and Ni, lightning and dew.
1·6	·169	·054	,,	,,	,,	0·6	0·0	0·6	,,	3·6	Ni and Ni, motion SE; dew.	Ni, Ni, and dew.
1·8	·172	·029	,,	NW & NE	NNW & calm	0·4	0·0	0·4	mod.	3·4	,, ,,	Ni and Ni, motion SE.
1·8	·168	·011	,,	SW & S	SW	1·0	0·0	1·0	weak	2·9	Ni, Ni, and Ni around hor.	Ni and Ni around hor.
2·1	·190	·079	,,	S & SSE	SSW & SW	1·0	0·0	1·0	,,	2·2	Ni and Ni around hor.	Ni and Ni; a few drops of rain.
2·1	·189	·058	,,	calm & SW	SW & calm	1·5	0·0	0·5	none	2·0	Ni and Ni, motion SE; dew.	Ni, motion NE.
2·1	·188	·037	,,	WSW	SW & WSW	0·8	0·0	0·8	,,	4·5	Ni, Ni, and Ni; dew.	Ni and Ni, motion NE.
2·2	·212	·050	,,	SW	WSW & calm	0·5	0·0	0·5	,,	5·8	Ni and Ni, motion W.	Ci, Ni, and Ni.
2·2	·198	·058	,,	WSW	NW	0·6	0·0	0 6	,,	4·3	Ni and Ni, motion NW.	Ni, Ci, and Ci, motion E
2·0	·187	·023	,,	NW	NNW	1·0	0·0	1·0	,,	3 3	Ni and Ni, motion SE; dew.	Ni, Ni, and lightning.
1·7	·157	28·970	,,	NNW	,,	1·0	0·0	1·0	spark	3·5	Ni and Ni, *motion* SW; dew.	Ci, Ni, Ni, Ni, and lightning.
1·6	·154	·984	,,	SE	,,	0·0	0·1	0·9	none	3·7	Ni and Ni, motion W; dew.	Ci and Ni around hor.
1·9	·162	29·039	,,	N	NW	0·8	0·1	0·7	,,	2·8	Ni and Ni, motion SE; dew.	Ni, Ni and Ni, motion variable.
1·8	·165	·093	,,	calm & NW	,,	0·7	0·0	0·7	weak	2·5	Ni, Ni, mist, and dew.	Ni around hor.
2·1	·217	·154	,,	NW	,,	0·8	0·0	0·8	none	5·1	Ni and Ni, motion NW; drops of rain.	Ni, moving NW.
1·6	·173	28·990	,,	,,	,,	1·6	0·0	1·6	,,	3·7	Ni and Ni, motion S; dew.	Ni and Ni, motion WSW.
1·6	·141	29·017	0·43	calm & NE	NE	0·5	0·0	0·5	weak	8·0	Ni and Ni, motion W; rain.	Ni, motion W; lightning, thunder, and rain
1·3	·137	28·994	0·86	calm	NE & N	4·0	0·0	4·0	spark	6·9	Ni, Ni, and Ni, motion WNW; dew	Ci, Ni, and Ni, lt., th., rain, and rainbow
1·6	·153	29·011	none	ENE	NW & E	1·5	0·0	1·5	weak	6·0	Ni, Ni, and Ni; a lunar-halo	Ci, Ni, Ni, and lightning.
2·2	·138	·015	,,	,,	NW	0·5	0·0	0·5	,,	1·4	Ni, Ni, dew, mist, and haze.	Ci, Ni, lightning, and dew.
1·3	·166	28·958	,,	calm & NW	,,	0·6	0·0	0·6	,,	1·2	Ni, Ni, dew, mist, and haze.	Ni, Ni, and lightning.
2·3	·236	·997	,,	ENE	,,	0·5	0·0	0·5	mod.	2·8	Ni, mist, fog, and dew.	A few Ni.
2·3	·215	29·014	,,	NNW	,,	0·4	0 0	0·4	,,	0·9	Cloudless, mist, fog, and dew.	Ni and dew.
2·3	·208	28·987	,,	NW	N & NW	0·5	0·0	0·5	,,	2·5	Ni, dew, mist, and fog.	,, ,,
3·1	·304	29·078	,,	,,	,,	1·0	0·0	1·0	,,	1·5	Ni, dew, mist, and fog.	Ni scattered about hor.

Notation used: Ni cirri, Ci cirro-cumuli; Ni cumuli; Ni cirro-strati; Ci cumulo-strati; and Ni nimbi; direction of wind by initial letters; hor., horizon.

TABLE VI.—*Showing, in the Months of November and December, the Mean Daily Values of*

	Days of the Month.	Phases of the Moon.	Barometer No. 58 corrected to 32° Fahrenheit.			Reading of Air Thermometers.									Ground Thermometers.				Mean daily Value of Hygrome				
						Thermometer in External and Air.			Wet Bulb Thermometer.			Difference between Wet Bulb Temperature and the Air Temperature.			Under the Surface of the Ground 1 inch.	Thermometer whose Bulb is 9 inches below the surface of the ground.	Thermometer whose Bulb is 30 inches below the surface of the ground.	Thermometer whose Bulb is 60 inches below the surface of the ground.	Dew-point.	Pressure of Moisture. p	Humidity of Air. Saturation = 1·00.	Weight in Grains of a Cubic Foot of Air.	Weight in Grains of Vapour in a Cubic Foot of Air.
			Greatest.	Least.	Range.	Greatest.	Least.	Range.	Greatest.	Least.	Range.	Greatest.	Least.	Mean daily Value.									
			in.	in.	in.	°	°	°	°	°	°	°	°	°.	°	°	°	°	°	in.		grs.	grs.
NOVEMBER 1861.	1		29·874	29·774	0·100	89·8	75·7	14·1	75·4	70·7	4·7	18·8	4·0	9·1	80·5	82·2	83·0	83·7	67·8	0·677	0·66	499	7·3
	2	● Perigee																					
	3																						
	4	Gtst. S. Dec.	·865	·738	·127	88·8	72·9	15·9	74·8	67·7	7·1	18·7	3·0	7·3	78·4	81·0	82·2	83·3	67·6	·677	·72	502	7·4
	5		·853	·713	·140	88·8	72·8	16·0	76·0	68·0	8·0	17·4	2·7	6·3	78 3	80 9	82·1	83·3	69·3	·710	·75	503	7·7
	6		·835	·717	·118	87·0	72·4	14·6	76·0	68·0	8·0	17·0	2·0	6·5	78·1	80·7	82·0	83·3	68·6	·694	·75	503	7·7
	7		·844	·696	·148	85·0	72·0	13·0	74·0	60·8	13·2	18·0	3·7	8·6	77·4	80·5	81·9	82·2	64·7	·610	·66	503	6·8
	8		·835	·706	·129	85·6	71·8	13.8	73·0	60·4	12·6	18·0	5·5	10·6	76·7	79·7	81·5	83·0	60·5	·533	·58	504	5·9
	9	☽	·845	·748	·097	85·2	71·7	13·5	72·6	64·4	8·2	16·0	4·0	8·0	76·3	79·5	81·2	82·9	64·3	·603	·68	506	6·6
	10	Eq.																					
	11		·877	·750	·127	84.4	71·5	12·9	75·0	68·0	7·0	15·0	2·0	5·7	77·6	79·8	80·9	82·9	69·5	·716	·77	504	7.9
	12		·863	·722	·141	83 2	71·4	11·8	73·2	69·5	3·7	10·4	1·4	5·4	76·8	79·7	81·1	83·1	68·9	·702	·78	505	7·7
	13		·877	·747	·130	83·6	71·0	12·6	76·2	68·0	8·2	8·0	1 4	4·3	77·0	79·6	81·1	83·2	70·8	·746	·82	505	8·1
	14		·905	·804	·101	83·0	73·0	10 0	76.0	71·0	5·0	9·0	0·7	3·7	77·6	79·8	81·0	83·1	72·2	·780	·84	506	8·4
	15	Apogee.	·947	·817	·130	82·8	72·2	10·6	76·0	70·4	5·6	8·0	1·0	4·1	77·3	79·8	81·0	83·1	71·5	·764	·83	506	8·4
	16		·923	·816	·107	83·3	73·2	10·1	76·0	70·0	6·0	8·0	0·2	3·7	77·3	79·8	81·0	83·0	72·0	·776	·84	506	8·4
	17	○																					
	18	Gtst. N. Dec.	·998	·881	·117	83·3	71.4	11·9	74·1	68·0	6·1	11·0	2·4	5·4	76·6	79·5	81·0	83·0	68·7	·697	·78	507	7·7
	19		·988	·881	·107	84·0	69·8	14·2	74·0	65·4	9·0	12·7	3·6	6·2	76·3	79·2	80·9	83·0	67·3	·666	.74	507	7·2
	20		·995	.888	·107	83·3	70·0	13·3	74.0	67·0	7·0	11·3	1·5	5·8	75·9	79·0	80·8	82·9	67·4	·668	·76	509	7·2
	21		30·026	·900	·126	84·1	69·0	15·1	74·8	65·5	9·3	13·6	3·0	6·2	75·5	78·7	80·6	82·8	66·4	·647	·74	509	7·0
	22		·024	·897	·127	84·7	69·4	15·3	73·0	65·2	7·8	13·0	2·8	6·4	75·3	78·5	80·5	82·8	65·9	·637	·73	509	7·0
	23		·026	·907	·129	87·0	70·0	17·0	74·0	66·0	8·0	16·4	2·0	6·6	75·7	78·5	80·5	82·8	66·3	·644	·74	509	7·0
	24																						
	25	Eq. ☾	29·988	·882	·106	83·8	69·6	14·2	71·5	66 0	5·5	13·7	2·6	6·7	75·0	78·3	80·0	83·0	65·2	·621	·72	509	6·8
	26		30·012	·893	·119	83·4	69·4	14·0	71·8	65·0	6·8	11·9	2·7	6·3	75·0	78·1	79·8	82·8	65·6	·631	·73	510	7·0
	27		·012	·899	·113	84.4	70·0	14·4	73·4	68·0	5·4	11·5	1·8	5·6	75·5	78·2	79·7	82·7	67·6	·672	·76	509	7·4
	28		29·981	·858	·123	84·8	71·2	13·6	72·0	68·0	4·0	13·0	2·8	6·0	75·9	78·4	79·7	82·6	67·2	·665	·75	509	7·2
	29	Perigee	·959	·844	·114	83·6	70·8	13·6	71·5	67·5	4·0	14·8	2·3	6·3	75·6	78·4	79·8	82·6	66·4	·646	·74	508	7·0
	30		·972	·877	·101	86·0	70·6	15·4	72·0	67·6	4·4	15·0	2·0	6·2	75·4	78·3	80·3	82·8	66·5	·645	·74	508	7·2
DECEMBER 1861.	1																						
	2	Gtst. S. Dec.	30·035	·877	·158	85·1	70·0	15·1	70·0	64·0	6·0	20·6	3·4	8·6	75·4	78·0	80·6	83·0	62·5	·569	·62	509	6·3
	3		·012	·884	·128	85·7	70·5	15·2	71·0	62·0	9·0	16·7	4·8	9·6	75·8	78·0	80·9	83·0	61·6	·552	·62	509	6·1
	4		29·991	·884	·107	87·0	70·0	17·0	73·0	62·0	11·0	19,0	4·2	9·0	74·7	77·7	81·0	83·1	61·9	·558	·64	509	6·1
	5		·988	·884	·104	84·3	69·8	14·5	70·0	63·5	6·5	16·2	4·2	8·5	73·1	77·0	81·0	83·1	62·2	·563	·65	509	6·1
	6		30·005	·903	·102	83·5	68·8	14·7	70·0	63·5	6·5	16·0	4·2	7·9	73 9	77·2	81·1	83·0	63·3	·585	·63	510	6·4
	7	Eq.	·000	·886	·114	83·0	70·2	12·8	73·0	66·0	7·0	11·0	3 0	6·1	74·6	77·3	81·0	82·9	66·2	·642	·74	510	7·0
	8	☽																					
	9		29·995	·898	·097	83·0	69·6	13·4	72·0	62·0	10·0	11·8	3·6	1·7	74·9	77·6	81·0	82·9	63·8	·595	·68	509	6·6
	10		30·018	·901	·117	81·2	67·0	14·2	71·0	61·0	10·0	13·0	4·0	7·8	73·6	77·1	80·9	82·8	61·8	·556	·68	511	6·2
	11		29·969	·870	·099	80·7	66·0	14·7	70·0	59·5	10·5	11·7	6·0	7·9	72·7	76·6	80·8	82 7	60·3	·528	·66	511	5·8
	12		·916	·802	·114	80·5	66·0	14·5	70·0	59·0	11·0	11·5	3·4	7·3	73·2	76·2	80·6	82·5	61·1	·543	·69	510	6·0
	13	Apogee.	·910	·802	·108	80·0	67·6	13·0	70·4	64 0	6·4	11·2	3·0	5·4	73·2	76·3	80·3	82·5	64·7	·612	·76	510	6·8
	14		·975	·848	·127	79·7	68.0	11·7	74·0	64·0	10·0	7·7	1·0	3·9	73·3	76·2	80·3	82·5	67·6	·668	·83	511	7·4
	15	Gtst. N. Dec.																					
	16		·993	·881	·112	81·0	70·0	11·0	74·6	69·5	5·1	7·6	0·5	3·2	74·8	77·0	80·5	82·7	70·2	·733	·86	509	7·9
	17	○	·982	·852	·130	91·0	67·5	13·5	73·0	64·0	9·0	9·5	2·8	5·0	73·9	76·8	80·4	82·6	66·7	·654	·79	510	7·2
	18		·991	·887	·104	82.6	67·5	15·1	73·6	64·0	9·6	10·6	2·0	5·1	74·0	76·7	80·3	82·5	66·6	·651	·78	510	7·2
	19		·995	·861	·131	83·0	69·2	13·8	74·0	65·0	9·0	11·2	3·0	5·7	74·4	76·7	80·3	82·5	66·4	·645	·76	509	7·0
	20		·999	·876	·123	83·0	69·6	13·4	74·0	64·0	10·0	11·1	1·0	5·4	74·6	76·7	80·3	82·6	66·7	·654	·77	509	7·2
	21		30·007	·895	·112	83·3	68·0	15·3	72·0	63·0	9 0	12·1	1·6	6·6	74·1	76·8	80·3	82·6	64·4	·606	·73	510	6·6
	22	Eq.																					
	23		·013	·906	·107	85·6	69·9	15·7	71·6	64·0	7·6	15·6	3·6	7·6	74·8	76·9	80·2	82·5	63·5	·588	·70	510	6·6
	24	☾	·025	·890	·135	82·3	70·0	12·3	71·0	62·0	9·0	15·8	4·6	9·2	74·3	76·6	80·2	82·5	60·1	·526	·62	510	5·8
	25																						
	26		·028	·902	·126	82·7	67·4	15·3	70·5	62·4	8·1	13·8	3·6	6·9	73·5	76·3	80·1	82·3	63·2	·582	·72	511	6·4
	27		·053	·934	·119	79·4	67·6	11·8	71·5	62·5	9.0	9·3	2·0	5·1	72·9	76·2	80·1	82·3	64·8	·614	·78	512	6·8
	28	Gtst. S Dec.	·024	·895	·129	79·6	68 0	11·6	70·2	67·0	3·2	11·0	1·0	4·4	72·9	76·1	80·1	82·3	66·2	·643	·82	512	7·0
	29	Perigee.																					
	30		·034	·914	·120	84·0	65·6	18·4	72 0	59·6	12·4	19·0	3·0	8·5	73·0	75·5	80·0	82·2	59·7	·519	·65	512	5·8
	31	●	·045	·924	·121	82·0	67·4	14·6	71·0	59·4	11·6	13·2	4·0	8·0	73·9	75·8	80·1	82·2	61·9	·557	·67	511	6·2

all the Meteorological Observations, and the Daily Changes in the state of the Weather.

Hygrometric Deductions. Weight in Grains required for complete Saturation of a Cubic Foot of Air.	Hygrometric Deductions. Quantity of Water actually evaporated in the Air.	Pressure of supposed Dry Air.	Rain: inches by Newman's Gauge.	Wind. Direction. From Midnight to Noon.	Wind. Direction. From Noon to Midnight.	Wind. Force in Pounds on a square foot. Greatest.	Least.	Range.	Atmospheric Electricity.	Extent of Cloudy Sky.	Clouds and Weather. A.M.	Clouds and Weather. P.M.
											Notation used: Ni cirri; Cui cirro-cumuli; Cu cumuli; Ci-St cirro-strati; Cu-St cumulo-strati; and Ni, nimbi; direction of wind by initial letters; hor., horizon.	
grs.	in.	in.	in.			lb.	lb.	in.				
4·5	0·363	29·139	None	calm & NE	NE & NW	0·7	0·0	0·7	mod.	..	Mist, fog, and dew.	A few Ni at 4 P. M.; dew.
3·1	·281	·125	,,	N & NNE	NNW	0·3	0·0	0·3	,,	2·9	Ni, mist, fog, and dew.	Ni and dew.
2·5	·245	·068	,,	E & NE	NW	0·7	0·1	0·6	none	2·0	,, ,,	,,
2·5	·249	·072	,,	NNE	NE & NW	0·6	0·0	0·6	mod.	4·5	,, ,,	Ni, dew, and lunar-halo.
3·4	·318	·150	,,	NNW & N	NW	0·6	0·0	0·6	,,	4·0	,, ,,	Ni scattered about.
4·0	·383	·231	,,	N	,,	0·7	0·1	0·6	,,	5·1	Ni, mist, and fog.	,, ,,
3·0	·293	·193	,,	,,	NNW	0·5	0·0	0·5	,,	5·5	,, ,,	Ni, Cui, and dew.
2·3	·221	·089	,,	NNW	,,	0·7	0·0	0·7	,,	3·4	Ni, mist, fog, and dew.	Ni, lunar-halo, and dew.
2·2	·206	·078	,,	calm	NW	0·6	0·0	0·6	weak	1·6	,, ,,	Ni, Cui, and dew.
1·8	·164	·063	,,	,,	,,	0·8	0·0	0·8	none	1·9	,, ,,	,, ,,
1·5	·145	·064	,,	,,	,,	0·6	0·0	0·6	,,	1·3	Ni, Cui, mist, fog, and dew.	Cui and dew.
1·5	·158	·099	,,	,,	,,	0·7	0·0	0·7	weak	0·3	A few Ni; mist, fog, and dew.	Ni, Cui, and dew.
1·5	·143	·081	,,	,,	,,	0·5	0·0	0·5	none	0·4	Ni, dew, mist, and fog.	Ni and dew.
2·2	·202	·232	,,	NW	,,	0·5	0·0	0·5	,,	..	Ni, dew, mist, and fog.	Dew at night.
2·7	·233	·259	,,	,,	N	0·6	0·0	0·6	,,	..	Mist, fog, and dew.	,, ,,
2·4	·217	·264	,,	N	,,	0·7	0·0	0·7	,,	..	,, ,,	Cloudless.
2·6	·229	·303	,,	calm & N	,,	0·7	0·0	0·7	weak	..	,, ,,	,,
2·6	·234	·312	,,	N	,,	0·5	0·0	0·5	,,	..	Ni, mist, fog, and dew.	,,
2·6	·237	·314	,,	,,	,,	0·5	0·0	0·5	,,	..	Mist, fog, and dew.	Cloudless; dew.
2·5	·242	·307	,,	,,	NW	0·5	0·1	0·4	none	..	A few Ni, at 0 A. M.; mist, fog, and dew.	A few Ni; dew.
2·3	·229	·314	,,	NW & W	NW & WNW	0·5	0·0	0·5	,,	..	Mist, fog, and dew.	Cloudless; dew.
2·2	·210	·283	,,	calm & N	N	0·5	0·0	0·5	,,	0·8	,, ,,	Ni; a few Cui; dew.
2·4	·220	·265	,,	calm & NNE	NW	0·7	0·0	0·7	,,	4·1	Ni, mist, fog, and dew; a lunar-halo.	Ni, motion E.
2·6	·233	·257	,,	N	NNW	0·5	0·0	0·5	,,	3·0	Ni and Cui, motion E; mist, fog, and dew.	Ni, motion E; dew.
2·4	·227	·274	,,	NNW	NW	0·7	0·0	0·7	weak	3·8	Ni, motion NE; mist, fog, and dew.	,, ,,
3·3	·307	·382	none	N	NE & N	0·8	0·1	0·7	mod.	1·5	Ni, dew, mist, and fog.	Ni and dew.
3·5	·344	·387	,,	N & ENE	ENE	0·8	0·0	0·8	weak	0·6	Ni, mist, and fog.	Ni scattered about hor.
3·5	·321	·376	,,	NE	NE & N	0·8	0·1	0·7	,,	0·3	,, ,,	A few Ni in hor.
3·2	·299	·366	,,	N	NNE	0·5	0·0	0·5	none	..	A few Ni; mist, fog, and dew.	Cloudless; dew.
2·9	·283	·365	,,	NNE	,,	0·7	0·0	0·7	,,	0·2	Ni, mist, and fog.	Cloudless.
2·3	·223	·301	,,	calm & NE	NW	0·8	0·0	0·7	,,	..	Mist and fog.	,,
3·0	·278	·347	,,	N	WNW	1·7	0·0	1·7	,,	0·7	Ni, mist, and fog.	Ni about hor.
2·8	·268	·392	,,	WNW & NW	NW	2·5	0·0	2·5	,,	..	,, ,,	Light mist.
3·6	·269	·381	,,	NW	,,	3·5	0·2	3·3	,,	..	,, ,,	,,
2·8	·268	·315	,,	,,	NW & WNW	1·3	0·1	1·2	weak	0·1	Mist and fog.	,,
2·0	·197	·240	,,	calm & NE	WNW & NW	0·8	0·0	0·8	,,	..	A few Ni; mist, fog, and dew.	Light mist; dew.
1·4	·141	·233	,,	N	WNW	0·8	0·0	0·8	,,	..	Mist, fog, and dew.	Cloudless; dew.
1·4	·118	·191	,,	WNW & NNE	WNW & NW	1·0	0·2	0·8	none	1·6	Ni, dew, mist, and fog.	Ni and dew.
1·8	·178	·257	,,	NNW	NW	0·8	0·1	0·7	,,	0·3	,, ,,	Cloudless; dew.
1·8	·184	·272	,,	NW & NNE	,,	0·8	0·0	0·8	weak	..	A few Ni; mist, fog, and dew.	Cloudless; mist.
2·3	·204	·277	,,	NNE	,,	2·7	0·1	2·6	,,	1·9	Ni, dew, mist, and fog.	Ni scattered about.
2·1	·197	·269	,,	calm & N	,,	0·8	0·0	0·8	mod.	0·1	,, ,,	A few Ni; dew.
2·7	·236	·330	,,	N & NNW	,,	1·0	0·1	0·9	,,	0·2	,, ,,	A few Ni in hor.
2·7	·269	·359	,,	NNE	WNW	0·7	0·0	0·7	weak	..	A few Ni; mist, fog, and dew.	Mist along E hor.
3·6	·323	·426	,,	N	NW	1·0	0·0	1·0	mod.	..	A few Ni; mist and fog.	,, ,,
2·6	·240	·373	,,	calm & NE	variable	0·5	0·0	0·5	weak	..	A few Ni; mist, fog, and dew.	Mist along E hor.
2·0	·176	·358	,,	calm & NE	NW	0·8	0·0	0·8	mod.	0·5	Ni, mist, fog, and dew.	Ni and dew.
1·8	·152	·309	,,	NE	W & WNW	0·5	0·0	0·5	none	1·4	,, ,,	A few Cui in hor.
3·0	·290	·445	,,	NNW & NNE	NW	0·8	0·1	0·7	weak	0·4	Ni, mist, and fog.	A few Ni at 3 A.M.
8 2	·278	·414	,,	N & NNE	,,	0·5	0·0	0·5	,,	0·5	,, ,,	A few Ni in hor.

TABLE VII.—*Mean Daily Height of Standard Barometer, corrected for Temperature, for each day of Bombay Civil Time.*

Date, 1861.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
1		29.872	29·886	29.810	29.811	29.506	29.627	29.708	29.680	29.761	29.816	
2	29.975	·871	.937	.795	.788		.588	.757	.711	.796		29.951
3	.960			.773	.788	.603	.576	.748	.675	.857		.939
4	·937	.878	.885	.780	.788	.682	.612		.673	.871	.802	.934
5	·882	.866	.899	.753		.732	.650	.746	.725	.833	.778	.929
6		.867	.896	.751	·787	.720	.641	.744	.753		.766	.950
7	·886	.924	.840		.776	.699		.726		.816	.760	.943
8	·905	·952	.841	.736	.775	.679	.653	.724	.722	.875	.764	
9	·926	.927		.722	.757		.637	.721	.722	.866	.795	.940
10	.919			.707	.777	.707	.604	.722	.771	.849		.948
11	.900	.918	.882	.708	.806	.717	.582		.824	.872	.805	.909
12	.888	.920	.852	.664		.751	.561	.698	.834	.897	.780	.858
13		.913	.858	.677	.779	·750	.517	.655	.830		.809	.852
14	·865	.915	.843		.758	.723		.638		.899	.844	.901
15	.916	.873	.803	.749	.750	.669	.604	.620	.780	.873	.863	
16	·922	.867	.824	.806	.762		.624	.594	.790	.870	.857	.924
17	·877			.826	.765	.610	.600	.594	.845	.878		.918
18	·895	.907	.867	.810	.730	.656	.609		.835	.901	.929	.923
19	·946	.944	.815	.803		.705	.619		.814	.920	.925	.922
20		.928	·786	.799	.628	.691	.644	.558	.814		.932	.923
21	.914	.910	.810		.625	.640		.644		.860	.950	.936
22	.871	.909	.854	.787	.629	.629	.651	.689	.812	.865	.949	
23	.930	.901	.871	.760	.619		.617	.722	.812	.871	.958	.947
24	.951	.887		.737		.701	.660	.723	.809	.859		.952
25	.909		.880	.754	.624	.700	.738		.810	.844	.928	
26	.882	·852	·892	.798		.655	.737	·733	.808	.847	.945	.955
27		·864		.780	.634	.580	.735	.727	.773		.955	.972
28	.931	·872	.829		.635	.558		.721		.841	.930	.952
29	·888			.765	.617	.589	.739	.694	.736	.861	.903	
30	.842		.853	.788	.579		.729	.635		.852	.924	.964
31	.852				.562		.692	.662		.817		.971

TABLE VIII.—*Showing, for each Month, the Mean Height of Standard Barometer; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Height of Barometer.	Difference from the Mean of the Year.	FOR SEASONS.	
	in.	in.		in.
January	29·907	0·110	Mean of {Jan., Feb., March, Oct., Nov., Dec.} or Winter..	29·886
February	·897	·100		
March	·857	·060		
April	·764	− ·033	Mean of {April, May, June, July, Aug., Sept.} or Summer..	29·708
May	·713	− ·084		
June.....	·666	− ·131	Mean of the Year	29.797
July	·639	− ·158		
August.....	·689	− ·108		
September	·774	− ·023	Greatest Monthly Mean in December	29·932
October	·857	·060	Least Monthly Mean in July	29·639
November	·867	·070		
December.....	·932	·135	Difference....	0·293

TABLE IX.—*Mean Height of Standard Barometer No. 58, corrected for Temperature, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	29.909	29.913	29.863	29.757	29.723	29.673	29.646	29.693	29.776	29.858	29.865	29.933
1 A.M.	.897	.886	.854	.756	.700	.661	.627	.679	.764	.841	.862	.928
2 „	.885	.867	.844	.740	.689	.646	.614	.666	.751	.829	.840	.917
3 „	.877	.863	.837	.733	.686	.639	.604	.659	.744	.826	.838	.907
4 „	.880	.863	.835	.738	.691	.640	.606	.660	.746	.829	.841	.910
5 „	.895	.871	.838	.761	.699	.646	.615	.667	.757	.842	.851	.915
6 „	.915	.892	.853	.781	.721	.665	.634	.682	.775	.862	.873	.930
7 „	.939	.921	.880	.800	.740	.681	.655	.700	.788	.887	.896	.961
8 „	.961	.943	.901	.821	.754	.693	.662	.719	.819	.907	.918	.984
9 „	.973	.972	.917	.824	.768	.701	.670	.724	.820	.922	.933	.999
10 „	.970	.975	.914	.820	.764	.702	.670	.730	.821	.913	.926	.994
11 „	.951	.963	.905	.810	.755	.695	.666	.724	.810	.892	.904	.975
Noon.	.923	.940	.877	.790	.742	.684	.657	.712	.789	.864	.876	.944
1 P.M.	.889	.889	.861	.761	.711	.674	.645	.693	.773	.837	.844	.918
2 „	.865	.864	.833	.036	.693	.658	.630	.684	.751	.816	.825	.897
3 „	.853	.847	.815	.716	.677	.644	.618	.659	.738	.804	.816	.886
4 „	.852	.842	.809	.705	.669	.634	.610	.651	.730	.806	.820	.884
5 „	.866	.844	.804	.713	.672	.629	.614	.651	.733	.826	.828	.894
6 „	.879	.855	.818	.727	.682	.642	.624	.663	.749	.841	.844	.900
7 „	.902	.873	.833	.746	.693	.656	.635	.679	.769	.862	.864	.919
8 „	.917	.895	.844	.763	.709	.669	.648	.697	.782	.879	.883	.936
9 „	.922	.916	.867	.776	.729	.681	.658	.712	.798	.885	.890	.950
10 „	.922	.922	.871	.784	.733	.689	.665	.717	.799	.882	.890	.950
11 „	.919	.918	.869	.776	.727	.683	.659	.710	.792	.869	.882	.941

TABLE X.—*Showing the Excess of the Mean Hourly Height of Barometer No. 58, corrected for Temperature, above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	0.002	0.016	0.006	−0.007	0.010	0.007	0.007	0.004	0.002	0.001	−0.002	0.001
1 A.M.	− .010	− .011	− .003	− .014	− .013	− .005	− .012	− .010	− .010	− .016	− .015	− .004
2 „	− .022	− .030	− .013	− .024	− .024	− .020	− .025	− .023	− .023	− .028	− .027	− .015
3 „	− .030	− .034	− .020	− .031	− .027	− .027	− .035	− .030	− .030	− .031	− .029	− .023
4 „	− .027	− .034	− .022	− .026	− .022	− .026	− .033	− .029	− .028	− .028	− .026	− .022
5 „	− .012	− .026	− .019	− .003	− .014	− .020	− .024	− .022	− .017	− .013	− .016	− .017
6 „	.008	− .005	− .004	.017	.008	− .001	− .005	− .007	.001	.005	.006	− .002
7 „	.032	.024	.023	.036	.027	.015	.016	.011	.014	.030	.029	.029
8 „	.054	.046	.044	.057	.041	.027	.023	.030	.045	.050	.051	.052
9 „	.066	.075	.060	.060	.055	.035	.031	.035	.046	.065	.066	.067
10 „	.063	.078	.057	.056	.051	.036	.031	.041	.047	.056	.059	.062
11 „	.044	.066	.048	.046	.042	.029	.027	.035	.036	.035	.037	.043
Noon.	.016	.043	.020	.026	.029	.018	.018	.023	.015	.007	.009	.012
1 P.M.	− .018	− .008	.004	− .003	− .002	.008	.006	.004	− .001	− .020	− .023	− .014
2 „	− .042	− .033	− .024	− .028	− .020	− .008	− .009	− .005	− .023	− .041	− .042	− .035
3 „	− .054	− .050	− .042	− .048	− .036	− .022	− .021	− .030	− .036	− .053	− .051	− .046
4 „	− .055	− .055	− .048	− .059	− .044	− .032	− .029	− .038	− .044	− .051	− .047	− .048
5 „	− .041	− .053	− .053	− .051	− .041	− .037	− .025	− .038	− .041	− .031	− .039	− .041
6 „	− .028	− .042	− .039	− .037	− .031	− .024	− .015	− .026	− .025	− .016	− .023	− .032
7 „	− .005	− .024	− .024	− .018	− .020	− .010	− .004	− .010	− .005	.005	− .003	− .013
8 „	− .010	− .002	− .013	− .001	− .004	.003	.009	.008	.008	.022	.016	.004
9 „	.015	.019	.010	.012	.016	.015	.019	.023	.024	.028	.023	.018
10 „	.015	.025	.014	.020	.020	.023	.026	.028	.025	.025	.023	.018
11 „	.012	.021	.012	.012	.014	.017	.020	.021	.018	.012	.015	.009

TABLE XI.—*Showing, for the Year* 1861, *the Mean Height of Barometer for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Height of Barometer.	Difference from the Mean of the Whole.
	in.	in.
Midnight.	29.801	0·004
1 A.M.	·787	– ·010
2 „	·774	– ·023
3 „	·768	– ·029
4 „	·770	– ·027
5 „	·780	– ·017
6 „	·799	·002
7 „	·821	·024
8 „	·840	·043
9 „	·852	·055
10 „	·850	·053
11 „	·837	·040
Noon.	·817	·020
1 P.M.	·791	– ·006
2 „	·771	– ·026
3 „	·756	– ·041
4 „	·751	– ·046
5 „	·756	– ·041
6 „	·769	– ·028
7 „	·786	– ·011
8 „	·802	·005
9 „	·815	·018
10 „	·819	·022
11 „	·812	·015

FOR DAY AND NIGHT.

Mean of { 6, 7, 8, 9, 10, 11 P.M. / Midnt. 1, 2, 3, 4, 5 A.M. } or Night. in. 29·790

Mean of { 6, 7, 8, 9, 10, 11 A.M. / Noon, 1, 2, 3, 4, 5 P.M. } or Day.. 29·803

Mean Annual.. 29·797

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Minimum at 3 A.M.
A Maximum at 9 „
A Minimum at 4 P.M.
A Maximum at 10 „

TABLE XII.—*Showing, for the Year* 1861, *the Hours of Bombay Civil Time, at which the Mean Height of Standard Barometer, corrected for Temperature, in each Month, was at its Maximum and Minimum.*

Months, 1861.	The Mean Hourly Height of Barometer.				Mean Diurnal Range.	Mean Time at which the Mean Hourly Height of Barometer was at its			
	Morning.		Evening.			Morning.		Evening.	
	Minimum.	Maximum.	Minimum.	Maximum.		Minimum.	Maximum.	Minimum.	Maximum.
	in.	in.	in.	in.	in.	H.	H.	H.	H.
January	29·877	29·973	29·852	29·922	0·121	3 A.M.	9 A.M.	4 P.M.	10 P.M.
February	·863	·975	·842	·922	·133	4 „	10 „	4 „	10 „
March.....	·835	·917	·804	·871	·113	4 „	9 „	5 „	10 „
April..	·733	·824	·705	·784	·119	3 „	9 „	4 „	10 „
May	·686	·768	·669	·733	·099	3 „	9 „	4 „	10 „
June	·639	·702	·629	·689	·073	3 „	10 „	5 „	10 „
July	·604	·670	·610	·665	·066	3 „	10 „	4 „	10 „
August	·659	·730	·651	·717	·079	3 „	10 „	4 „	10 „
September	·744	·821	·730	·799	·091	3 „	10 „	4 „	10 „
October	·826	·922	·804	·885	·118	3 „	9 „	3 „	9 „
November	·838	·933	·816	·890	·117	3 „	9 „	3 „	9 „
December	·907	·999	·884	·950	·115	3 „	9 „	4 „	10 „

TABLE XIII.—*Showing the Greatest and Least Height of Standard Barometer, corrected for Temperature, in Simple Hourly Observations, in each Month during the Year* 1861.

Months, 1861.	Greatest Height of Barometer.				Least Height of Barometer.			
	Day and Hour.	Height of Barometer.	Normal Mean.	Difference.	Day and Hour.	Height of Barometer.	Normal Mean.	Difference.
	D. H.	in.	in.	in.	D. H.	in.	in.	in.
January	24 10 A.M.	30·049	29·981	0·068	30 3 P.M.	29·787	29·879	−0·092
February	19 9 „	·039	·956	·083	36 4 „	·769	·835	− ·066
March	2 10 „	29·994	·935	·059	20 5 „	·736	·804	− ·068
April	1 10 „	·883	·879	·004	13 4 A.M.	·621	·789	− ·168
May	1 8 „	·872	·813	·059	31 4 „	·500	·669	− ·169
June	12 10 „	·792	·677	·115	1 4 „	·429	·619	− ·190
July	26 9 „	·779	·726	·053	13 4 P.M.	·462	·597	− ·135
August	6 9 „	·801	·750	·051	20 4 A.M.	·494	·700	− ·206
September	18 10 „	·909	·832	·077	5 3 „	·622	·719	− ·097
October	19 9 „	·991	·894	·097	1 3 „	·712	·790	− ·078
November	23 9 „	30·036	·952	·084	7 3 P.M.	·696	·838	− ·142
December	27 9 „	·053	·978	·075	13 4 „	·802	·886	− ·084

TABLE XIV.—*Mean Daily Temperature of External and Free Air, for each day of Bombay Civil Time.*

Date, 1861.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		75°1	76°5	81°6	82°6	84°9	78°2	82°1		80°1	81°2	
2	78°6	76.5	75.9	82.5	84.0		79·2	80.4	80°2	80.6		75°8
3	78.2			83.0	84.2	79.4	80.8	81.2	80.0	80.1		76.5
4	77.6	74.3	73.9	82.0	83.6	84.3	82.3		80.2	79.5	78.6	75.8
5	77.2	74.2	73.8	81.8		84.9	82.8	82.3	80.0	79.2	78.5	75.3
6		72.9	74.3	82.1	84.6	84.1	82.1	82.8	80.5		78.1	75.5
7	75.9	73.1	74.6		84.3	83.1		81.9	80.5	79.1	77.6	75.4
8	75.1	73.9	75.2	81.9	84.9	82.5	83.5	80.9		79.5	77.2	
9	73.1	73.6		82.5	84.6		82.4	82.0	78.8	79.8	76.5	75.6
10	73.2			84.0	85.0	85.6	81.9	81.6	79.7	80.2		73.9
11	73.9	73.7	76.4	85.4	84.5	85.2	82.3		79.3	81.0	77.9	72.8
12	75.8	73.2	80.6	83.1		84.8	82.1	77.8	80.3	81.1	76.9	73.4
13		72.4	81.5	82.8	84.2	84.7	79.4	77.8	80.8		77.0	73.3
14	76·9	73.1	80.7		84.7	80.6		76.8	81.0	81.9	77.5	73.3
15	78.8	74.0	80.0	81.9	85.1	83.9	78.4	76.5		81.8	77.4	
16	78.0	75.2	78.7	83.1	84.9		79.8	77.8	80.5	81.2	77.3	74.9
17	76.8			83.2	84.7	83.5	80.3	77.5	79.2	80.0		74.2
18	75.1	76.9	78.1	82.5	85.5	82.6	77.7		80.0	79.1	76.6	74.3
19	73.8	78.8	78.8	84.1		83.8	78.0		80.7	79.4	76.6	74.8
20		78.6	79.6	84.4	85.8	81.6	78.6	77.4	80.4		76.1	74.9
21	72.8	77.3	78.3		86.1	80.4		79.2	79.9	81.3	75.8	74.5
22	71.5	76.8	78.1	82.2	86.1	81.1	79.9	79.1		79.6	75.6	
23	70.6	76.9	78.3	82.4	86.5		79.4	78.6	80.9	80.4	76.2	75.1
24	72.8	77.4		82.6		82.0	80.7	78.7	81.2	80.0		74.8
25	74.7		78.4	83.2	86.4	81.3	81.1		82.4	79.8	75.3	
26	73.3	80.4	78.5	82.6		80.3	80.4	78.6	82.0	80.8	75.1	73.8
27		81.2		82.2	86.5	80.4	80.9	78.3	81.4		75.0	72.6
28	73.8	78.4	79.7		86.9	82.1		79.7	80.7	82.4	76.1	72.8
29	71.3			83.2	87.3	81.5	80.5	79.6		81.8	75.9	
30	72.5		81.6	83.2	87.6		81.1	77.3	79.3	82.2	75.7	73.3
31	73.6				85.0		81.6	78.4		81.3		74.3

TABLE XV.—*Showing, for each Month, the Mean Temperature of External and Free Air; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Temperature of Air.	Difference from the Mean of the Year.	FOR SEASONS.
January	74°8	− 4°5	
February.....	75·7	− 3·6	
March.....	77·9	− 1·4	Mean of { Jan., Feb., March, Oct., Nov., Dec. } or Winter .... 76°7
April	82·8	3·5	
May	85·2	5·9	Mean of { April, May, June, July, Aug., Sept. } or Summer.... 81·9
June.....	82·7	3·4	
July	80·6	1·3	Mean of the year..... 79·3
August.....	79·4	0·1	
September	80·4	1·1	Greatest Monthly Mean in May ..... 85·2
October	80·5	1·2	Least Monthly Mean in December ..... 74·4
November	76·9	− 2·4	
December	74·4	− 4·9	Difference.... 10·8

TABLE XVI.—*Mean Temperature of External and Free Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	71°4	72°6	75°0	80°0	82°2	81°0	79°4	78°4	78°4	78°3	74°1	71°1
1 A.M.	70.9	71.8	74.6	79.5	81.8	80.8	79.4	78.1	78.4	78.2	73.5	70.7
2 „	70.5	71.4	74.0	78.9	81.5	80.6	79.1	78.0	78.1	77.9	73.2	70.3
3 „	70.1	70.8	73.3	78.5	81.2	80.5	79.0	77.7	78.0	77.6	72.7	70.0
4 „	70.1	70.3	73.0	78.3	81.0	80.5	78.9	77.6	77.8	77.3	72.0	69.5
5 „	69.6	70.0	72.6	78.0	80.9	80.2	78.9	77.6	77.8	77.1	71.7	69.1
6 „	69.0	69.4	72.4	77.8	81.0	79.8	79.1	77.6	77.5	76.8	71.5	68.6
7 „	69.3	69.7	73.5	80.3	83.5	81.0	79.6	78.0	78.3	77.6	72.4	69.2
8 „	71.7	72.3	76.1	82.6	85.3	82.6	80.5	79.2	79.5	79.3	74.4	71.4
9 „	73.9	75.7	78.6	84.5	86.7	83.9	81.4	80.1	80.7	80.8	76.2	73.6
10 „	76.5	78.4	80.6	86.1	88.1	84.4	82.1	80.4	81.9	81.8	78.1	75.8
11 „	78.5	81.1	82.3	87.2	89.1	85.7	82.7	81.0	82.8	83.3	80.2	78.3
Noon.	80.6	82.3	83.6	88.1	90.5	86.2	82.8	81.7	83.8	84.6	82.9	80.8
1 P.M.	81.9	83.6	84.5	88.5	91.1	86.2	83.0	81.8	84.6	85.3	84.5	81.9
2 „	82.5	83.5	84.8	88.6	91.2	86.4	83.0	82.1	84.8	85 5	84.3	82.1
3 „	82.4	82.9	84.3	88.4	90.7	86.2	82.5	81.9	84.5	85.4	83.7	82.0
4 „	81.3	81.8	83.3	87.4	89.6	85.7	81.8	81.4	83.8	84.8	82.6	80.7
5 „	78.9	80.0	81.4	85.4	87.5	84.4	81.3	80.6	82.2	83.2	80.0	77.8
6 „	76.6	77.0	78.8	83.5	85.6	83.0	80.6	79.5	80.6	80.8	78.2	76.1
7 „	75.6	75.9	77.6	82.4	84.1	81.9	80.1	79.0	80.0	80.0	77.4	75.4
8 „	74.9	75.4	77.0	81.7	83.6	81.4	80.1	78.7	79.5	79.6	76.9	74.8
9 „	74.0	74.7	76.5	81.2	83.2	81.2	79.6	78.6	79.1	79.1	76.0	73.6
10 „	73.0	73.5	76.0	80.8	82.9	81.1	79.3	78.5	79.0	78.6	74.9	72.4
11 „	72.3	73.1	75.6	80.5	82.6	81.1	79.4	78.4	78.8	78.4	74.1	71.5

TABLE XVII.—*Excess of the Mean Hourly Temperature of External and Free Air above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	- 3°4	- 3°2	- 2°9	- 2°8	- 3°0	- 1°8	- 1°2	- 1°0	- 2°0	- 2°2	- 2°8	- 3°4
1 A.M.	- 3.9	- 4.0	- 3.3	- 3.3	- 3.4	- 1.9	- 1.2	- 1.3	- 2.0	- 2.3	- 3.3	- 3.7
2 „	- 4.3	- 4.3	- 3.9	- 3.9	- 3.7	- 2.1	- 1.5	- 1.4	- 2.3	- 2.6	- 3.7	- 4.2
3 „	- 4.7	- 4.9	- 4.6	- 4.3	- 4.0	- 2.2	- 1.5	- 1.7	- 2.4	- 2.8	- 4.1	- 4.4
4 „	- 4.7	- 5.4	- 4.9	- 4.5	- 4.2	- 2.2	- 1.7	- 1.8	- 2.6	- 3.2	- 4.9	- 4.9
5 „	- 5.2	- 5.7	- 5.3	- 4.8	- 4.4	- 2.6	- 1.7	- 1.8	- 2.5	- 3.4	- 5.2	- 5.3
6 „	- 5.8	- 6.3	- 4.5	- 5.0	- 4.2	- 2.9	- 1.4	- 1.8	- 2.5	- 3.7	- 5.4	- 5.8
7 „	- 5.5	- 6.0	- 4.4	- 2.5	- 1.7	- 1.7	- 0.9	- 1.4	- 2.2	- 2.8	- 4.5	- 5.3
8 „	- 3.1	- 3.4	- 1.7	- 0.2	0.1	0.1	0.1	0.2	- 0.5	1.2	- 2.5	3.0
9 „	- 0.9	0.0	0.7	1.7	1.5	1.1	0.8	0.7	0.3	0.3	0.7	0.8
10 „	1.7	2.7	2.7	3.2	2.9	1.7	1.5	1.0	1.5	1.3	1.2	1.4
11 „	3.7	5.3	4.4	4.3	3.8	2.9	2.1	1.6	2.4	2.8	3.3	4.0
Noon.	5.8	6.6	5.7	5.3	5.3	3.5	2.3	2.3	3.4	4.1	6.0	6.3
1 P.M.	7.1	7.9	6.6	5.7	5.8	3.5	2.4	2.4	4.2	4.8	7.6	7.4
2 „	7.7	7.8	6.9	5.8	6.0	3.6	2.4	2.7	4.4	5.1	7.4	7.7
3 „	7.6	7.1	6.4	5.5	5.5	3.5	1.9	2.5	4.1	4.9	6.8	7.6
4 „	6.5	6.1	5.4	4.6	4.4	3.0	1.3	2.0	3.4	4.4	5.7	6.2
5 „	4.1	4.3	3.5	2.6	2.3	1.7	0.7	1.2	1.8	2.7	3.1	3.3
6 „	1.8	1.3	0.9	0.6	0.4	0.2	0.0	0.1	0.2	0.3	1.3	1.6
7 „	0.8	0.2	- 0.3	- 0.5	- 1.1	- 0.8	- 0.5	- 0.4	- 0.4	- 0.5	0.5	1.0
8 „	0.1	- 0.4	- 0.9	- 1.2	- 1.6	- 1.4	- 0.5	- 0.7	- 0.9	- 0.9	0.0	0.4
9 „	- 0.8	- 1.1	- 1.4	- 1.7	- 2.0	- 1.5	- 0.9	- 0.8	- 1.3	- 1.3	- 0.9	- 0.8
10 „	- 1.8	- 2.2	- 1.9	- 2.0	- 2.3	- 1.6	- 1.2	- 0.9	- 1.4	- 1.9	- 2.0	- 2.0
11 „	- 2.5	- 2.6	- 2.3	- 2.3	- 2.6	- 1.7	- 1.2	- 1.0	- 1.6	- 2.1	- 2.8	- 2.9

TABLE XVIII.—*Showing, for each Month, the Mean Temperature of External and Free Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Temperature of External and Free Air.	Difference from the Mean of the Whole.
Midnight.	76°8	- 2°5
1 A.M.	76·5	- 2·8
2 „	76·1	- 3·2
3 „	75·8	- 3·5
4 „	75·5	- 3·8
5 „	75·3	- 4·0
6 „	75·0	- 4·3
7 „	76·0	- 3·3
8 „	77·9	- 1·4
9 „	79·7	0·4
10 „	81·2	1·9
11 „	82·7	3·4
Noon.	84·0	4·7
1 P.M.	84·7	5·4
2 „	84·9	5·6
3 „	84·6	5·3
4 „	83·7	4·4
5 „	81·9	2·6
6 „	80·0	0·7
7 „	79·1	- 0·2
8 „	78·6	- 0·7
9 „	78·1	- 1·2
10 „	77·5	- 1·8
11 „	77·1	- 2·2

FOR DAY AND NIGHT.

Mean of { 6, 7, 8, 9, 10, 11, P.M. / Midnt. 1, 2, 3, 4, 5, A.M. } or Night.... 77°2

Mean of { 6, 7, 8, 9, 10, 11, A.M. / Noon. 1, 2, 3, 4, 5, P.M. } or Day.... 81·4

Mean Annual..... 79·3

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Minimum at 6 A.M.
A Maximum at 2 A.M.

TABLE XIX.—*Showing, for the Year* 1861, *the Hours of Bombay Civil Time at which the Mean Temperature of External and Free Air, in each Month, was at its Maximum and Minimum.*

Months, 1861.	The Mean Hourly Temperature of Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Free Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	82°5	69°0	13°5	2 P.M.	6 A.M.
February	83·6	69·4	14·2	1 „	6 „
March	84·8	72·4	12·4	2 „	6 „
April	88·6	77·8	10·8	2 „	6 „
May	91·2	80·9	10·3	2 „	5 „
June	86·4	79·8	6·6	2 „	6 „
July	83·0	78·9	4·1	1 & 2 „	4 „
August	82·1	77·6	4·5	2 „	5 „
September	84·8	77·5	7·3	2 „	6 „
October	85·5	76·8	8·7	2 „	6 „
November	84·5	71·5	13·0	1 „	6 „
December	82·1	68·6	13·5	2 „	6 „

TABLE XX.—*Showing the Greatest and Least Temperature of External and Free Air in Simple Hourly Observations, during the Year* 1861.

Months, 1861.	Greatest Temperature of Air.				Least Temperature of Air.			
	Day and Hour.	Temperature of Air.	Normal Mean.	Difference.	Day and Hour.	Temperature of Air.	Normal Mean.	Difference.
	D. H.				D. H.			
January	4 2 P.M.	88°0	79°4	8°6	23 6 A.M.	62°5	70°2	−7°7
February	19 1 „	96.2	81·9	14·3	15 6 „	66·2	71·8	−5·6
March	12 1 „	97.0	85·1	11·9	7 6 „	67·0	74·6	−7·6
April	11 2 „	92·8	88·3	4·5	5 6 „	75·4	77·8	−2·4
May	30 2 „	94·0	90·0	4·0	1 5 „	78·2	80·3	−2·1
June	1 1 „	91·5	90·0	1·5	14 6 „	74·5	79·1	−4·6
July	8 2 „	88·4	87·2	1·2	18 4 „	75.5	77·3	−1.8
August	6 2 „	88·0	86·2	1·8	13 5 „	75·2	76·3	−1.1
September	25 2 „	86·9	86·3	0·6	17 6 „	75·4	76·2	−0.8
October	28 1 „	90·0	86·3	3·7	7 6 „	74·8	77·1	−2·3
November	1 2 „	89·8	85·9	3·9	21 5 „	69·0	74·5	−5·5
December	4 3 „	87·0	82·2	4·8	30 4 „	65.6	71·0	−5·4

TABLE XXI.—*Mean Temperature of Air confined within the Observatory as deduced from the Temperature of Large Horizontal Force Thermometer, for each Day of Bombay Civil Time.*

Date, 1861.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		77°8	80°3	83°2	84°7	87°0	80°2	83°3		81°8	83°7	
2	81°5	78.9	78.9	83.9	85.5		80·6	82.3	81°0	82.3		79°1
3	81.3			84.4	85.8	80.8	81.6	82.5	81.1	81.7		79.5
4	80.9	77.4	76.3	84.8	85.4	84.7	83.2		81.4	81.4	81.8	79.4
5	80.7	76.9	75.9	83.9		85.7	83.6	83.2	81.3	81°3	81.9	79.0
6		76.1	76.5	83.5	86.4	85.6	83.6	83.6	81.7		81.1	79.2
7	79.1	75.7	76.7		86.6	85.0		83.5	81.6	81.3	80.6	79.1
8	78.6	75.9	77.5	83.8	87.0	84.6	84.1	82.7		81.7	79.6	
9	77.2	75.8		84.1	86.9		83.9	82.9	80.5	82.3	79.4	78.7
10	76.2			85.1	87.1	86.3	83.8	83.2	81.1	82.9		77.4
11	76.1	75.8	78.2	86.0	86.4	86.4	83.8		81.1	83.7	81.1	76.4
12	77.8	75.6	81.2	85.4		86.4	84.1	80.8	81.5	83.9	80.6	76.6
13		74.9	83.1	84.5	85.6	86.4	82.9	80.1	82.1		80.7	77.1
14	79·5	75.3	83.5		86.1	84.2		78.6	82.1	83.7	81.0	77 2
15	81.3	75.5	82.7	84.1	86.8	84.8	80.6	78.4		84.2	80.7	
16	81.1	77.0	81.7	84.8	86.9		81.1	79.7	81.9	83.5	80.7	78.1
17	79.9			85.4	86.5	85.2	81.4	79.4	81.3	82.6		77.3
18	78.3	78.2	80.0	85.0	87.0	84.7	79.9		81.6	81.6	80.0	77.5
19	77.4	79.8	80.3	85.6		85.6	79.7		82.2	81.6	79.7	78.1
20		80.6	81.4	85.9	87.9	84.8	80.1	78.8	82.1		79.5	78.1
21	75.3	80.4	80.9		88.3	83.5		80.1	82.1	83.2	79.2	77.5
22	75·5	80.2	80.6	84.6	88.3	83.0	81.1	80.4		82.4	79 2	
23	74·1	80.1	80.4	84.4	88.5		80·8	80.1	82.7	82.7	79.7	78.6
24	75.2	79.8		84.6		83.8	81.5	80.1	83.2	82.6		78.2
25	76·8		80.7	84.8	88.9	83.2	82.3		83.7	82.5	79.5	
26	77·3	81.6	80.3	84.6		82.8	81.9	80.3	83.8	83.3	79.4	77.8
27		83.0		85.6	88.4	82.7	82.3	79.9	83.6		79.7	77.3
28	77.3	82.1	81.2		88.7	83.5		80.8	82.9	84.1	79.8	77.2
29	74.6			85.2	89.2	83.5	82.1	81.0		84.3	79.8	
30	75.4		83.0	85.2	89.7		82.4	79.4	81.8	84.6	79.7	75.9
31	76.5				88.2		82.9	79.9		84.0		77.2

TABLE XXII.—*Showing, for each Month, the Mean Temperature of Air confined within the Observatory; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Temperature of Air, confined in the Observatory.	Difference from the Mean of the Year.
January	77°9	− 3°6
February	78·1	− 3·4
March	80·1	− 1·4
April	84·7	3·2
May	87·2	5·7
June	84·6	3·1
July	82·1	0·6
August	81·0	− 0·5
September	82·0	0·5
October	82·8	1·3
November	80·3	− 1·2
December	77·9	− 3·6

FOR SEASONS.

Mean of { Jan., Feb., March, Oct., Nov., Dec. } or Winter .... 79°5

Mean of { April, May, June, July, Aug., Sept. } or Summer.... 83·6

Mean of the year..... 81·5

Greatest Monthly Mean in May ..... 87·2

Least Monthly Mean in December ..... 77·9

Difference.... 9·3

TABLE XXIII.—*Mean Temperature of Air confined within the Observatory, as shown by the Thermometer of the Large Horizontal Force Magnetometer, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	76°7	76°9	79°1	83°6	86°1	83°9	81°5	80°5	81°1	81°9	79°1	76°4
1 A.M.	76.4	76.6	78.9	83.4	85.9	83.7	81.5	80.4	81.0	81.8	78.9	76.1
2 „	76.1	76.2	78.6	83.3	85.7	83.6	81.3	80.3	80.8	81.7	78.6	75.8
3 „	75.8	75.9	78.3	82.9	85.5	83.5	81.3	80.1	80.7	81.5	78.3	75.6
4 „	75.6	75.5	78.0	82.8	85.3	83.4	81.2	80.1	80.6	81.3	77.8	75.2
5 „	75.2	75.3	77.8	82.5	85.2	83.3	81.1	79.9	80.5	81.1	77.6	74.9
6 „	74.9	74.9	77.6	82.4	85.1	83.1	81.1	79.9	80.5	80.9	77.3	74.6
7 „	74.8	74.7	77.5	82.7	85.5	83.2	81.3	79.9	80.6	80.9	77.4	74.7
8 „	75.3	75.1	78.0	83.4	86.0	83.8	81.5	80.4	81.0	81.4	78.2	75.6
9 „	75.9	76.3	78.8	84.1	86.7	84.4	81.9	80.9	81.6	82.2	79.3	76.7
10 „	77.5	77.8	79.8	85.4	87.5	84.9	82.6	81.2	82.3	83.0	80.6	78.2
11 „	78.8	79.7	80.9	85.9	87.9	85.5	82.9	81.6	83.0	83.5	81.8	79.5
Noon.	80.0	80.7	81.9	86.5	88.9	85.9	83.2	81.7	83.5	84.5	82.8	80.7
1 P.M.	80.9	81.6	82.6	87.0	89.3	86.1	83.3	82.2	83.9	85.0	83.6	81.5
2 „	81.4	82.1	83.5	87.2	89.6	86.2	83.4	82.3	84.1	85.3	84.0	81.9
3 „	81.8	82.3	83.6	87.3	89.8	86.2	83.2	82.4	84.1	85.3	83.9	82.0
4 „	81.4	81.8	82.9	87.1	89.6	86.2	83.1	82.2	83.8	85.0	83.3	81.5
5 „	80.7	81.0	82.4	86.6	89.4	85.8	82.8	81.9	83.2	84.4	82.5	80.5
6 „	79.6	77.9	81.8	85.6	88.4	85.3	82.4	81.4	82.6	83.5	81.6	79.3
7 „	79.0	79.1	80.7	85.1	87.7	84.8	82.1	81.1	82.2	83.1	81.0	78.8
8 „	78.5	78.7	80.3	84.6	87.3	84.5	82.0	80.9	81.8	82.8	80.6	78.3
9 „	78.0	78.1	80.1	84.4	86.9	84.2	81.8	80.7	81.7	82.4	80.1	77.7
10 „	77.5	77.6	79.8	84.1	86.7	84.1	81.7	80.6	81.5	82.2	79.6	77.2
11 „	77.0	77.3	79.5	83.8	86.5	84.0	81.5	80.5	81.4	82.0	79.2	76.6

TABLE XXIV.—*Excess of Mean Hourly Temperature of Air, confined within the Observatory, above the Monthly Mean Temperature.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	− 1°2	− 1°2	− 1°0	− 1°1	− 1°1	− 0°7	− 0°6	− 0°5	− 0°9	− 0°9	− 1°2	− 1.5
1 A.M.	− 1.5	− 1.5	− 1·2	− 1.3	− 1.3	− 0.9	− 0.6	− 0.6	− 1.0	− 1.0	− 1.4	− 1.8
2 „	− 1.8	− 1.9	− 1.5	− 1.4	− 1.5	− 1.0	− 0.8	− 0.7	− 1.2	− 1.1	− 1.7	− 2.1
3 „	− 2.1	− 2.2	− 1.8	− 1.8	− 1.7	− 1.1	− 0.8	− 0.9	− 1.3	− 1.3	− 2.0	− 2.3
4 „	− 2.3	− 2.6	− 2.1	− 1.9	− 1.9	− 1.2	− 0.9	− 0.9	− 1.4	− 1.5	− 2.5	− 2.7
5 „	− 2.7	− 2.8	− 2.3	− 2.2	− 2.0	− 1.3	− 1.0	− 1.1	− 1.5	− 1.7	− 2.7	− 3.0
6 „	− 3.0	− 3.2	− 2.5	− 2.3	− 2.1	− 1.5	− 1.0	− 1.1	− 1.5	− 1.9	− 3.0	− 3.3
7 „	− 3.1	− 3.4	− 2.6	− 2.0	− 1.7	− 1.4	− 0.8	− 1.1	− 1.4	− 1.9	− 2.9	− 3.2
8 „	− 2.6	− 3.0	− 2.1	− 1.3	− 1.2	− 0.8	− 0.6	− 0.6	− 1.0	− 1.4	− 2.1	− 2.3
9 „	− 2.0	− 1.8	− 1.3	− 0.6	− 0.5	− 0.2	− 0.2	− 0.1	− 0.4	− 0.6	− 1.0	− 1.2
10 „	− 0.4	− 0.3	− 0.3	0.7	0.3	0.3	0.5	0.2	0.3	0.2	0.3	0 3
11 „	0.9	1.6	0.8	1.2	0.7	0.9	0.8	0.6	1.0	0.7	1.5	1.6
Noon.	2.1	2.6	1.8	1.8	1.7	1.3	1.1	0.7	1.5	1.7	2.5	2.8
1 P.M.	3.0	3.5	2.5	2.3	2.1	1.5	1.2	1.2	1.9	2.2	3.3	3.6
2 „	3.5	4.0	3.4	2.5	2.4	1.6	1.3	1.3	2.1	2.5	3.7	4.0
3 „	3.9	4.2	3.5	2.6	2.6	1.6	1.1	1.4	2.1	2.5	3.6	4.1
4 „	3.5	3.7	2.8	2.4	2.4	1.6	1.0	1.2	1.8	2.2	3.0	3.6
5 „	2.8	2.9	2.3	1.9	2.2	1.2	0.7	0.9	1.2	1.6	2.2	2.6
6 „	1.7	1.8	1.7	0.9	1.2	0.7	0.3	0.4	0.6	0.7	1.3	1.4
7 „	1.1	1.0	0.6	0.4	0.5	0.2	0.0	0.1	0.2	0.3	0.7	0.9
8 „	0.6	0.6	0.2	− 0.1	0.1	− 0.1	− 0.1	− 0.1	0.2	0.0	0.3	0.4
9 „	0.1	0.0	0.0	− 0.3	− 0.3	− 0.4	− 0.3	− 0.3	− 0.3	− 0.4	− 0.2	− 0.2
10 „	− 4.9	− 0.5	− 0.3	− 0.6	− 0.5	− 0.5	− 0.4	− 0.4	− 0.5	− 0.6	− 0.7	− 0.7
11 „		− 0.8	− 0.6	− 0.9	− 0.7	− 0.6	− 0.6	− 0.5	− 0.6	− 0.8	− 1.1	− 1.3

TABLE XXV.—*Showing, for the Year* 1861, *the Mean Hourly Temperature of Air confined within the Observatory, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Temperature of Air within the Observatory.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
Midnight.	80°6	− 0°9	
1 A.M.	80·4	− 1·1	
2 „	80·2	− 1·3	
3 „	80·0	− 1·5	
4 „	79·7	− 1·8	
5 „	79·5	− 2·0	Mean of {6, 7, 8, 9, 10, 11 P.M. / Midnt. 1, 2, 3, 4, 5 A.M.} or Night.... 80°8
6 „	79·3	− 2·2	
7 „	79·4	− 2·1	
8 „	80·0	− 1·5	Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon. 1, 2, 3, 4, 5 P. M.} or Day..... 82·2
9 „	80·7	− 0·8	
10 „	81·7	0·2	
11 „	82·6	1·1	Mean Annual..... 81·5
Noon.	83·4	1·9	
1 P.M.	83·9	2·4	
2 „	84·2	2·7	
3 „	84·3	2·8	TIMES OF MEAN MAXIMUM AND MINIMUM.
4 „	84·0	2·5	
5 „	83·4	1·9	A Minimum at 6 A.M.
6 „	82·6	1·1	
7 „	82·1	0·6	A Maximum at 3 P.M.
8 „	81·7	0·2	
9 „	81·3	− 0·2	
10 „	81·1	− 0·4	
11 „	80·8	− 0·7	

TABLE XXVI.—*Showing, for the Year* 1861, *the Hours of Bombay Civil Time, at which the Mean Temperature of Air confined within the Observatory, in each Month, was at its Maximum and Minimum.*

Months, 1861.	The Mean Hourly Temperature of Air confined within the Observatory.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Air within the Observatory was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	81°8	74°8	7°0	3 P.M.	7 A.M.
February.....	82·3	74·7	7·6	3 „	7 „
March	83·6	77·5	6·1	3 „	7 „
April	87·3	82·4	4·9	3 „	6 „
May.....	89·8	85·1	4·7	3 „	6 „
June.....	86·2	83·1	3·1	3 „	6 „
July.....	83·4	81·1	2·3	2 „	6 „
August.....	82·4	79·9	2·5	3 „	6 „
September	84·1	80·5	3·6	3 „	6 „
October	85·3	80·9	4·4	2 „	6 „
November	84·0	77·3	6·7	2 „	6 „
December.....	82·0	74·6	7·4	3 „	6 „

TABLE XXVII.—*Showing, for each Month, the Mean Temperature of Ground one inch below its Surface; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Temperature of Ground one inch below its Surface.	Difference from the Mean of the Year.	FOR SEASONS.	
January	74°5	− 4°5	Mean of {Jan., Feb., March, Oct., Nov., Dec.} or Winter..	76°3
February.....	75·2	− 3·8		
March	77·4	− 1·6		
April	82·4	3·4	Mean of {April, May, June, July, Aug., Sept.} or Summer...	81·6
May.....	84·6	5·6		
June.....	82·7	3·7	Mean of the Year.....	79·0
July.....	80·6	1·6		
August.....	79·5	0·5		
September	80·0	1·0	Greatest Monthly Mean in May	84·6
October	80·1	1·1	Least Monthly Mean in December	74·0
November ...	76·7	− 2·3		
December ...	74·0	− 5·0	Difference....	10·6

TABLE XXVIII.—*Mean Temperature of Ground one inch below its Surface, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	72°6	73°3	75°6	80°6	82°7	81°4	79°9	78°9	78°7	79°0	75°2	72°0
1 A.M.	71·9	72·8	75·3	80·1	82·4	81·3	79·6	78·8	78·7	78·6	74·8	71·5
2 „	71·7	72·5	74·8	79·6	82·1	81·2	79·4	78·6	78·6	78·4	74·4	71·1
3 „	71·3	71·9	74·3	79·2	81·9	81·1	79·4	78·4	78·5	78·2	74·1	70·8
4 „	71·2	71·6	73·9	79·0	81·7	81·1	79·3	78·3	78·3	78·0	73·5	70·4
5 „	70·8	70·9	73·7	78·9	81·5	80·9	79·4	78·0	78·2	78·0	73·2	70·2
6 „	70·4	70·4	73·6	78·7	81·6	80·7	79·4	78·1	78·2	77·7	73·0	69·9
7 „	70·6	70·6	74·2	80·2	83·2	81·6	79·8	78·4	78·7	78·1	73·4	70·2
8 „	71·8	72·2	75·9	81·8	84·3	82·6	80·4	79·2	79·4	79·1	74·7	71·6
9 „	73·3	74·3	77·3	83·1	85·2	83·6	81·2	79·9	80·1	80·0	75·7	72·8
10 „	74·9	76·2	78·7	84·2	86·0	83·9	81·8	80·1	80·9	80·7	76·8	74·3
11 „	76·4	78·0	79·8	85·0	86·8	84·6	82·2	80·5	81·4	81·5	78·2	76·0
Noon.	77·8	79·4	80·8	85·7	87·6	85·0	82·4	80·9	82·0	82·2	79·7	77·4
1 P.M.	78·6	80·2	81·5	86·0	88·2	85·0	82·4	81·2	82·4	82·8	80·8	78·1
2 „	79·2	80·5	81·9	86·2	88·5	85·0	82·4	81·4	82·6	83·1	81·1	78·6
3 „	79·4	80·4	82·0	86·3	88·4	85·1	82·7	81·3	82·5	83·2	81·0	78·8
4 „	79·1	79·9	81·4	85·8	87·8	84·8	81·7	81·0	82·2	82·9	80·6	78·4
5 „	77·9	78·8	80·4	84·5	86·6	84·2	81·2	80·4	81·5	82·0	79·5	77·1
6 „	76·4	77·0	78·7	83·2	85·6	83·3	80·8	79·8	80·6	80·7	78·3	76·1
7 „	75·8	76·1	77·8	82·4	84·4	82·5	80·4	79·3	80·1	80·3	77·7	75·6
8 „	75·2	75·5	77·4	82·0	84·0	82·1	80·3	79·1	79·8	80·0	77·3	75·1
9 „	74·5	75·0	76·7	81·5	83·7	81·8	80·2	79·0	79·3	79·6	76·5	73·9
10 „	73·8	74·3	76·5	81·3	83·4	81·7	79·9	78·9	79·2	79·3	75·8	73·0
11 „	73·1	73·8	76·1	81·0	83·1	81·5	80·0	78·8	79·0	78·9	75·2	72·3

TABLE XXIX.—*Excess of the Mean Hourly Temperature of Ground one inch below its Surface, above the Mean Monthly Temperature.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	− 1°9	− 1°9	− 1°8	− 1°8	− 1°9	− 1°3	− 0°7	− 0°6	− 1°3	− 1°1	− 1°5	− 2.0
1 A.M.	− 2.6	− 2.5	− 2.1	− 2.3	− 2.2	− 1.4	− 1.0	− 0.7	− 1.3	− 1.5	− 1.9	− 2.5
2 „	− 2.8	− 2.7	− 2.6	− 2.7	− 2.5	− 1.5	− 1.2	− 0.9	− 1.5	− 1.7	− 2.2	− 2.9
3 „	− 3.2	− 3.3	− 3.1	− 3.1	− 2.7	− 1.7	− 1.2	− 1.1	− 1.6	− 1.9	− 2.6	− 3.0
4 „	− 3.3	− 3.6	− 3.5	− 3.3	− 2.9	− 1.7	− 1.4	− 1.2	− 1.7	− 2.1	− 3.2	− 3.5
5 „	− 3.6	− 4.3	− 3.7	− 3.5	− 3.1	− 1.9	− 1.2	− 1.5	− 1.9	− 2.1	− 3.5	− 3.8
6 „	− 4.1	− 4.8	− 3.9	− 3.7	− 3.0	− 2.0	− 1.2	− 1.4	− 1.8	− 2.4	− 3.7	− 3.9
7 „	− 3.9	− 4.6	− 3.2	− 2.2	− 1.5	− 1.2	− 0.9	− 1.1	− 1.4	− 2.0	− 3.2	− 3.8
8 „	− 2.7	− 3.0	− 1.6	− 0.6	− 0.3	− 0.1	− 0.3	− 0.3	− 0.6	− 1.0	− 2.0	− 2.4
9 „	− 1.2	− 0.9	− 0.2	0.8	0.5	0.8	0.6	0.4	0.1	− 0.1	− 1.0	− 1.1
10 „	0.4	0.9	1.2	1.8	1.4	1.1	1.2	0.6	0.8	0.6	0.2	0.4
11 „	1.9	2.8	2.3	2.7	2.2	1.8	1.6	1.0	1.4	1.4	1.5	2.0
Noon.	3.3	4.1	3.4	3.3	3.0	2.3	1.7	1.4	2.0	2.1	3.0	3.4
1 P.M.	4.1	5.0	4.0	3.6	3.5	2.3	1.7	1.7	2.4	2.7	4.1	4.1
2 „	4.7	5.3	4.4	3.8	3.9	2.3	1.8	1.9	2.6	3.0	4.4	4.6
3 „	4.9	5.1	4.5	3.9	3.7	2.3	1.5	1.8	2.5	3.1	4.3	4.8
4 „	4.6	4.6	4.0	3.4	3.2	2.1	1.0	1.5	2.1	2.8	3.9	4.4
5 „	3.4	3.5	2.9	2.1	2.0	1.4	0.5	0.9	1.5	1.9	2.7	3.1
6 „	1.9	1.8	1.3	0.8	1.0	0.6	0.1	0.3	0.5	0.6	1.6	2.1
7 „	1.3	0.8	0.4	0.0	− 0.2	− 0.2	− 0.2	− 0.2	0.1	0.2	1.0	1.6
8 „	0.7	0.3	0.0	− 0.4	− 0.6	− 0.6	− 0.3	− 0.4	− 0.2	− 0.1	0.6	1.1
9 „	0.0	− 0.2	− 0.7	− 0.8	− 1.0	− 1.0	− 0.4	− 0.5	− 0.7	− 0.5	− 0.2	− 0.1
10 „	− 0.7	− 0.9	− 0.9	− 1.1	− 1.2	− 1.1	− 0.8	− 0.6	− 0.9	− 0.8	− 0.9	− 0.9
11 „	− 1.4	− 1.4	− 1.3	− 1.3	− 1.5	− 1.2	− 0.7	− 0.7	− 1.0	− 1.2	− 1.5	− 1.6

TABLE XXX.—*Showing, for the Year* 1861, *the Mean Temperature of Ground one inch below its Surface, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Temperature of Ground one inch below its Surface.	Difference from the Mean of the Whole.
Midnight.	77°5	− 1°5
1 A.M.	77·2	− 1·8
2 „	76·9	− 2·1
3 „	76·6	− 2·4
4 „	76·4	− 2·6
5 „	76·1	− 2·9
6 „	75·9	− 3·1
7 „	76·6	− 2·4
8 „	77·7	− 1·3
9 „	78·9	− 0·1
10 „	79·9	0·9
11 „	80·9	1·9
Noon.	81·7	2·7
1 P.M.	82·3	3·3
2 „	82·5	3·5
3 „	82·6	3·6
4 „	82·1	3·1
5 „	81·2	2·2
6 „	80·0	1·0
7 „	79·4	0·4
8 „	79·0	0·0
9 „	78·5	− 0·5
10 „	78·1	− 0·9
11 „	77·7	− 1·3

FOR DAY AND NIGHT.

Mean of { 6, 7, 8, 9, 10, 11 P.M. / Midnt. 1, 2, 3, 4, 5 A.M. } or Night .... 77°8

Mean of { 6, 7, 8, 9, 10, 11 A.M. / Noon, 1, 2, 3, 4, 5 P.M. } or Day ..... 80·2

Mean Annual..... 79·0

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Minimum at 6 A.M.
A Maximum at 3 P.M.

TABLE XXXI.—*Showing, for the Year* 1861, *the Hours of Bombay Civil Time, at which the Mean Temperature of Ground one inch below its Surface, in each Month, was at its Maximum and Minimum.*

Months, 1861.	The Mean Hourly Temperature of Ground one inch below its Surface.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Ground was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	79°4	70°4	9°0	3 P.M.	6 A.M.
February	80·5	70·4	10·1	2 ,,	6 ,,
March	82·0	73·6	8·4	3 ,,	6 ,,
April	86·3	78·7	7·6	3 ,,	6 ,,
May	88·5	81·5	7·0	2 ,,	5 ,,
June	85·1	80·7	4·4	3 ,,	6 ,,
July	82·7	79·3	3·4	3 ,,	4 ,,
August	81·4	78·0	3·4	2 ,,	5 ,,
September	82·6	78·2	4·4	2 ,,	6 ,,
October	83·2	77·7	5·5	3 ,,	6 ,,
November	81·1	73·0	8·1	2 ,,	6 ,,
December	78.8	69·9	8·9	3 ,,	6 ,,

TABLE XXXII.—*Showing, for each Month, the Mean Temperature of Ground nine inches below its Surface; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Temperature of Ground nine inches below its Surface.	Difference from the Mean of the Year.	FOR SEASONS.
January	77°8	− 3°2	
February	77·5	− 3·5	
March	79·6	− 1·4	
April	83·5	2·5	
May	85·5	4·5	
June	84·8	3·8	
July	82·8	1·8	
August	81·6	0·6	
September	81·4	0·4	
October	81·8	0·8	
November	79·4	− 1·6	
December	76·8	− 4·2	
			Mean of {Jan., Feb., March, Oct., Nov., Dec.} or Winter ..... 78°8
			Mean of {Apr., May, June, July, Aug., Sept.} or Summer .... 83·3
			Mean of the Year.. 81·0
			Greatest Monthly Mean in May..... 85·5
			Least Monthly Mean in December ..... 76·8
			Difference..... 8·7

TABLE XXXIII.—*Mean Temperature of Ground nine inches below its Surface, in each Hour, of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	77°9	77°6	79°6	83°5	85°4	84°8	82°8	81°6	81°5	81°9	79°7	77°0
1 A.M.	77.9	77.5	79.6	83.4	85.4	84.8	82.8	81.6	81.4	81.8	79.6	77.0
2 „	77.8	77.4	79.5	83.3	85.3	84.7	82.8	81.6	81.4	81.8	79.6	76.9
3 „	77.7	77.3	79.4	83.3	85.3	84.7	82.7	81.6	81.4	81.8	79.6	76.8
4 „	77.6	77.3	79.3	83.2	85.2	84.6	82.7	81.6	81.3	81.7	79.4	76.7
5 „	77.5	77.1	79.3	83.1	85.1	84.6	82.7	81.5	81.3	81.7	79.3	76.6
6 „	77.4	77.0	79.2	83.0	85.1	84.6	82.6	81.5	81.3	81.7	79.2	76.5
7 „	77.3	77.0	79.2	83.1	85.1	84.6	82.6	81.5	81.2	81.6	79.2	76.4
8 „	77.3	76.9	79.2	83.1	85.2	84.6	82.6	81.5	81.2	81.6	79.1	76.4
9 „	77.3	77.0	79.2	83.2	85.2	84.7	82.7	81.5	81.3	81.6	79.2	76.4
10 „	77.4	77.1	79.3	83.3	85.3	84.7	82.7	81.5	81.3	81.7	79.2	76.4
11 „	77.5	77.2	79.5	83.4	85.4	84.8	82.8	81.5	81.3	81.7	79.2	76.5
Noon.	77.6	77.4	79.5	83.5	85.4	84.8	82.9	81.5	81.3	81.7	79.2	76.5
1 P.M.	77.7	77.5	79.6	83.6	85.6	84.9	82.9	81.6	81.4	81.8	79.3	76.6
2 „	77.9	77.7	79.8	83.7	85.7	84.9	82.9	81.6	81.4	81.8	79.4	76.7
3 „	78.0	77.8	79.9	83.8	85.8	84.9	82.9	81.7	81.5	81.9	79.5	76.9
4 „	78.1	77.9	80.0	83.9	85.8	85.0	82.9	81.7	81.6	81.9	79.5	77.0
5 „	78.2	77.9	80.0	83.9	85.8	85.1	83.0	81.7	81.6	82.0	79.6	77.0
6 „	78.1	77.9	80.0	83.9	85.8	85.1	82.9	81.7	81.6	81.9	79.6	77.0
7 „	78.1	77.9	79.9	83.8	85.8	85.0	82.9	81.7	81.6	81.9	79.6	77.1
8 „	78.1	77.8	79.9	83.8	85.7	84.9	82.9	81.7	81.6	81.9	79.6	77.1
9 „	78.0	77.9	79.9	83.7	85.7	84.9	82.8	81.5	81.5	82.0	79.6	77.1
10 „	77.9	77.8	79.8	83.7	85.7	84.9	82.8	81.6	81.5	81.9	79.6	77.0
11 „	77.9	77.8	79.8	83.6	85.6	84.9	82.8	81.6	81.5	81.9	79.6	77.0

TABLE XXXIV.—*Excess of the Mean Hourly Temperature of Ground nine inches below its Surface, above the Monthly Mean Value.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	0°2	0°1	0°0	0°0	0°0	0°0	0°0	0°0	0°1	0°1	0°3	0°2
1 A.M.	0.1	0.0	0.0	- 0.1	- 0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.2
2 „	0 0	- 0.1	- 0.1	- 0.2	- 0.1	- 0.1	0.0	0.0	0.0	0.0	0.1	0.1
3 „	- 0.1	- 0.1	- 0.2	- 0.3	- 0.2	- 0.1	- 0.1	0.0	0.0	0.0	0.1	0.0
4 „	- 0.2	- 0.2	- 0.3	- 0.3	- 0.2	- 0.2	- 0.1	0.0	- 0.1	- 0.1	0.0	- 0.1
5 „	- 0.2	- 0.3	- 0.3	- 0.4	- 0.3	- 0.2	- 0.1	- 0.1	- 0.1	- 0.1	- 0.1	- 0.2
6 „	- 0.3	- 0.5	- 0.4	- 0.4	- 0.4	- 0.2	- 0.2	- 0.1	- 0.1	- 0.1	- 0.2	- 0.3
7 „	- 0.4	- 0.5	- 0.4	- 0.4	- 0.3	- 0.2	- 0.2	- 0.1	- 0.2	- 0.2	- 0.3	- 0.3
8 „	- 0.5	- 0.6	- 0.4	- 0.4	- 0.3	- 0.2	- 0.1	- 0.1	- 0.2	- 0.2	- 0.3	- 0.4
9 „	- 0.4	- 0.5	- 0.4	- 0.4	- 0.3	- 0.2	- 0.1	- 0.1	- 0.1	- 0.2	- 0.3	- 0.4
10 „	- 0.3	- 0.4	- 0.3	- 0.3	- 0.2	- 0.1	- 0.1	- 0.1	- 0.1	- 0.2	- 0.2	- 0.4
11 „	- 0.3	- 0.3	- 0.1	- 0.2	- 0.1	- 0.1	0.0	- 0.1	- 0.1	- 0.1	- 0.2	- 0.3
Noon.	- 0.1	- 0.1	- 0.1	0.0	0.0	0.0	0.0	- 0.1	- 0.1	- 0.1	- 0.2	- 0.2
1 P.M.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	- 0.1	- 0.1
2 „	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0
3 „	0.3	0.3	0.3	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4 „	0.3	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.2	0.1	0.1	0.3
5 „	0.4	0.4	0.4	0.4	0.4	0.2	0.1	0.1	0.2	0.1	0.1	0.2
6 „	0.4	0.4	0.4	0.4	0.4	0.2	0.1	0.1	0.2	0·1	0.2	0.3
7 „	0.3	0.4	0.3	0.4	0.3	0.2	0.1	0.1	0.2	0.1	0.2	0.3
8 „	0.3	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.2	0.3
9 „	0.2	0.4	0.2	0.2	0.2	0.1	0.1	- 0.1	0.1	0.2	0.2	0.3
10 „	0.2	0.3	0.2	0.2	0.1	0 1	0.0	0.0	0.1	0.1	0.2	0.3
11 „	0.1	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.2

TABLE XXXV.—*Showing, for the Year* 1861, *the Mean Temperature of Ground nine inches below its Surface, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Temperature of Ground nine inches below its Surface.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
Midnight.	81°1	0°1	
1 A.M.	81·1	0·1	
2 ,,	81·0	0·0	
3 ,,	81·0	0·0	
4 ,,	80·9	− 0·1	
5 ,,	80·8	− 0·2	Mean of { 6, 7, 8, 9, 10, 11 P.M. / Midnt. 1, 2, 3, 4, 5 A.M. } or Night .... 81°1
6 ,,	80·8	− 0·2	
7 ,,	80·7	− 0·3	
8 ,,	80·7	− 0·3	Mean of { 6, 7, 8, 9, 10, 11 A.M. / Noon. 1, 2, 3, 4, 5 P.M. } or Day ..... 81·0
9 ,,	80·8	− 0·2	
10 ,,	80·8	− 0·2	
11 ,,	80·9	− 0·1	Mean Annual..... 81·0
Noon.	80·9	− 0·1	
1 P.M.	81·0	0·0	
2 ,,	81·1	0·1	
3 ,,	81·2	0·2	
4 ,,	81·3	0·3	TIMES OF MEAN MAXIMUM AND MINIMUM.
5 ,,	81·3	0·3	
6 ,,	81·3	0·3	
7 ,,	81 3	0·3	A Minimum between 7 and 8 A.M.
8 ,,	81·3	0·3	A Maximum at about 5 P.M.
9 ,,	81·2	0·2	
10 ,,	81·2	0·2	
11 ,,	81·2	0·2	

TABLE XXXVI.—*Showing, for the Year* 1861, *the Hours of Bombay Civil Time, at which the Mean Temperature of Ground nine inches below its Surface, in each Month, was at its Maximum and Minimum.*

Months, 1861.	The Mean Hourly Temperature of Ground nine inches below its Surface.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Ground was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	78°2	77°3	0°9	5 P.M.	8 A.M.
February	77·9	76·9	1·0	5 ,,	8 ,,
March	80·0	79·2	0·8	5 ,,	Between 7 & 8 A.M.
April	83·9	83·0	0·9	5 ,,	6 A.M.
May.....	85·8	85·1	0·7	5 ,,	6 ,,
June.....	85·1	84·6	0·5	5 ,,	6 ,,
July.....	83·0	82·6	0·4	5 ,,	Between 6 & 7 A.M.
August.....	81·7	81·5	0·2	5 ,,	7 A.M.
September	81·6	81.2	0·4	Between 5 & 6 P.M.	8 ,,
October	82·0	81·6	0·4	5 P.M.	8 ,,
November	79·7	79·1	0 6	Midnight.	8 ,,
December.....	77·1	76·4	0·7	8 P.M.	8 ,,

TABLE XXXVII.—*Showing, for each Month, the Mean Temperature of Ground twenty inches below its Surface; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Temperature of Ground twenty inches below its Surface.	Difference from the Mean of the Year.	FOR SEASONS.
January	80°4	− 1°8	Mean of {Jan., Feb., March, Oct., Nov., Dec.} or Winter ..... 80°7
February	79·6	− 2·6	
March	80·7	− 1·5	
April.....	83·7	1·5	Mean of {April, May, June, July, Aug., Sept.} or Summer .... 83·7
May	85·3	3·1	
June.....	85·6	3·4	Mean of the Year..... 82·2
July	83·8	1·6	
August.....	82·1	− 0·1	
September	81·9	− 0·3	Greatest Monthly Mean in June ..... 85·6
October	82·3	0·1	Least Monthly Mean in February..... 79·6
November	80·9	− 1·3	
December	80·4	− 1·8	Difference..... 6·0

TABLE XXXVIII.—*Showing, for each Month, the Mean Temperature of Ground sixty inches below its Surface; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Temperature of Ground sixty inches below its Surface	Difference from the Mean of the Year.	FOR SEASONS.
January	83°5	− 0°4	Mean of {Jan., Feb., March, Oct., Nov., Dec.} or Winter .... 83°1
February.....	83·1	− 0·8	
March	82·8	− 1·1	
April	84·0	0·1	Mean of {Apr., May, June, July, Aug., Sept.} or Summer .... 84·7
May.....	85·1	1·2	
June.....	86·0	2·1	Mean of the Year.. 83·9
July.....	85·7	1·8	
August	84·1	0·2	
September	83·1	− 0·8	Greatest Monthly Mean in June ..... 86·0
October	83·3	− 0·6	Least Monthly Mean in December ..... 82·6
November	83·0	0·9	
December	82·6	− 1·3	Difference.... 3·4

TABLE XXXIX.—*Mean Temperature of Evaporation or Wet Bulb Thermometer, for each Day of Bombay Civil Time.*

Date, 1861.	MONTHS, 1861. January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		69°1	72°8	76°7	77°8	79°9	77°4	77°7		77°0	72°1	
2	70°8	70.2	70.6	76.3	78.7		78·0	76.7	77°2	77.4		67°2
3	69.3			75.0	78.1	75.1	78.9	77.3	76.9	75.8		66.9
4	67.7	69.2	65.6	76.5	77.8	79.7	79.9		77.0	75.3	71.3	66.9
5	69.0	68.9	65.6	75.8		80.0	79.7	77.4	76.9	74.5	72.2	66.8
6		68.5	66.1	75.0	78.3	79.6	79.4	77.4	77.3		71.6	67.6
7	68.7	68.6	66.9		78.2	79.1		77.8	77.0	74.9	69.1	69.3
8	67.1	68.4	68.4	75.7	78.1	79.3	79.1	77.1		74.8	66.6	
9	66.7	68.8		76.4	77.1		78.6	77.2	76.1	75.2	68.5	67.8
10	66.0			75.9	77·8	80.0	78.6	77.8	76.5	75.4		66.1
11	65.2	67.1	69.9	74.2	77.2	79.3	78.5		75.9	75.8	72.2	64.9
12	67.6	68.6	71.3	74·8		79.2	78.8	76.2	76.8	76.3	71.4	66.1
13		67.9	75.0	75.1	76.6	79.4	77.7	76.4	76.5		72.7	67.7
14	71·9	67.4	76.0		76.0	77.6		76.3	75.6	77.5	73.8	69.4
15	73.6	64.3	75.0	76.1	77.1	78.1	77.2	76.0		78.1	73.3	
16	73.4	68.0	74.0	76.5	77.6		77.6	76.6	75.3	77.5	73.6	71.7
17	70.5			77.6	77.6	79.0	77.4	76.6	74.9	76.0		69.2
18	66.5	65.9	73.0	77.5	78.7	78.4	76.3		75.2	75.0	71.2	69.2
19	64.2	65.7	72.0	77.3		79.6	76.7		75.1	73.9	70.3	69.1
20		67.2	73.2	77.1	81.0	79.0	76.8	76.5	74.8		70.2	69.5
21	61.2	68.0	71.2		80.9	77.8		77.4	74.6	77.2	69.5	67.9
22	62.0	69.5	71.8	77.4	80.0	77.9	77.6	77.2		76.1	69.2	
23	60.3	69.9	72.1	77.1	80.5		77.1	76.4	76.1	77.0	69.6	67.5
24	60.5	68.6		76.9		78.7	77.9	76.5	76.9	76 2		65.5
25	63.0		72.1	76.7	80.5	78.3	78.0		77.5	75.7	68.6	
26	66.1	70.7	73.0	76.4		78.4	77.5	77.0	77.6	77.5	68.9	66.9
27		70.8		76.8	80.1	78.3	77.7	78.2	78.1		70.3	67.5
28	67.6	70.9	74.8		79.5	79.3		77.9	77.6	76.8	70.2	68.5
29	68.6			77.0	79.9	79.1	77.6	77.8		76.8	69.6	
30	65.6		75.5	76.9	80.3		77.6	76.5	76.9	77.3	69.4	64.8
31	67.5				80.5		77.7	76.9		73.8		66.3

TABLE XL.—*Showing, for each Month, the Mean Temperature of Evaporation; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Temperature of Evaporation.	Difference from the Mean of the Year.	FOR SEASONS.
January	66°7	− 7°2	
February	68·4	− 5·5	Mean of { Jan., Feb., March, Oct., Nov., Dec. } or Winter .... 70°2
March	71·6	− 2·3	
April	76·4	2·5	
May	78·7	4·8	Mean of { April, May, June, July, Aug., Sept. } or Summer.... 77·6
June	78·8	4·9	
July	78·0	4·1	Mean of the year..... 73·9
August	77·0	3·1	
September	76·4	2·5	Greatest Monthly Mean in June ..... 78·8
October	76·1	2·2	Least Monthly Mean in January..... 66·7
November	70·6	− 3·3	
December	67·6	− 6·3	Difference.... 12·1

TABLE XLI.—*Mean Temperature of Evaporation or Wet Bulb Thermometer in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	66°5	67°0	70°8	75°4	77°7	78°4	77°4	76°3	75°8	75°6	69°9	66°5
1 A.M.	65.7	67.1	70.6	75.5	77.5	77.8	77.7	76.3	75.4	76.0	69.8	65.6
2 „	65.1	66.7	70.3	75.2	77.3	77.8	77.5	76.3	75.2	75.7	69.5	65.0
3 „	64.4	66.3	69.9	74.9	77.1	77.7	77.4	76.2	75.2	75.5	69.0	65.1
4 „	64.4	66.2	69.7	75.0	77.1	77.7	77.4	76.1	75.2	75.4	68.3	64.8
5 „	63.8	65.5	69.6	74.5	77.2	77.8	77.1	76.4	75.4	75.1	68.2	64.5
6 „	63.4	65.4	69.6	74.4	77.4	77.5	77.2	76.4	75.5	74.8	68.4	64.0
7 „	63.8	65.3	70.2	75.6	78.4	78.1	77.6	76.6	76.1	75.4	68.8	64.4
8 „	65.1	65.8	70.8	76.5	78.7	78.9	78.1	77.3	76.7	75.9	69.6	65.3
9 „	65.6	67.3	71.6	76.9	79.0	79.6	78.5	77.4	77.2	76.5	69.7	66.5
10 „	66.5	67.9	71.8	77.8	79.4	79.6	78.8	77.6	77.6	76.7	70.2	67.1
11 „	67.4	69.1	72.5	78.2	79.8	80.4	79.1	77.5	77.9	76.9	70.1	68.1
Noon.	67.8	70.0	73.6	78.5	80.2	80.7	79.2	78.1	78.1	76.9	70.5	69.3
1 P.M.	68.8	71.5	73.8	78.6	80.7	80.3	79.2	78.0	77.9	77.8	72.3	69.9
2 „	69.3	72.3	74.1	78.3	80.4	80.2	79.2	78.1	77.9	77.8	72.8	70.6
3 „	70.1	72.7	74.1	77.8	80.3	79.9	78.9	78.0	77.8	77.8	73.0	70.8
4 „	70.0	72.1	73.3	77.5	80.0	79.9	78.5	77.7	77.1	77.5	73.1	70.8
5 „	69.4	71.3	72.9	76.7	79.6	79.2	78.1	77.5	76.4	76.6	72.6	70.0
6 „	68.9	70.5	71.7	76.4	79.0	78.6	77.6	77.0	76.0	75.7	72.4	70.0
7 „	68.6	70.0	71.4	76.1	78.8	78.3	77.4	76.8	75.7	75.8	72.2	70.0
8 „	68.2	69.5	71.4	75.7	78.7	78.1	77.5	76.7	75.7	75.7	72.5	70.0
9 „	67.3	68.5	71.5	75.8	78.3	78.2	77.5	76.5	75.9	75.5	71.5	69.0
10 „	66.7	67.4	71.4	75.7	78.1	78.3	77.2	76.5	75.8	75.1	70.4	68.0
11 „	65.5	67.1	71.1	75.6	78.0	78.4	77.3	76.4	76.0	75.1	69.8	67.1

TABLE XLII.—*Excess of Mean Hourly Temperature of Evaporation above the Monthly Mean Value.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	− 1°2	− 1°5	− 0°8	− 0°9	− 1°0	− 0°4	− 0°6	− 0°7	− 0°6	− 0°5	− 0°7	− 1°1
1 A.M.	− 1.1	− 1.3	− 1.0	− 0.9	− 1.1	− 1.0	− 0.2	− 0.7	− 1.0	− 0.2	− 0.8	− 2.0
2 „	− 1.7	− 1.7	− 1.3	− 1.2	− 1.4	− 1.0	− 0.5	− 0.7	− 1.2	− 0.4	− 1.1	− 2.6
3 „	− 2.3	− 2.1	− 1.7	− 1.4	− 1.5	− 1.1	− 0.5	− 0.8	− 1.2	− 0.6	− 1.6	− 2.5
4 „	− 2.3	− 2.2	− 1.9	− 1.4	− 1.6	− 1.1	− 0.6	− 0.9	− 1.2	− 0.7	− 2.3	− 2.8
5 „	− 3.0	− 2.9	− 1.9	− 1.9	− 1.4	− 1.0	− 0.9	− 0.6	− 1.0	− 1.0	− 2.4	− 3.1
6 „	− 3.4	− 3.0	− 2.0	− 1.9	− 1.3	− 1.3	− 0.8	− 0.6	− 0.9	− 1.3	− 2.2	− 3.6
7 „	− 2.9	− 3.1	− 1.4	− 0.8	− 0.2	− 0.7	− 0.4	− 0.4	− 0.3	− 0.7	− 1.8	− 3.2
8 „	− 1.6	− 2.7	− 0.7	0.1	0.0	0.1	0.1	0.3	0.3	− 0.2	− 1.0	− 2.3
9 „	− 1.1	− 1.2	0.1	0.6	0.3	0.8	0.5	0.4	0.8	0.4	− 0.9	− 1.1
10 „	− 0.2	− 0.5	0.2	1.4	0.7	0.8	0.9	0.6	1.2	0.6	− 0.4	− 0.5
11 „	0.7	0.6	0.9	1.8	1.1	1.6	1.1	0.5	1.5	0.7	− 0.5	0.5
Noon.	1.0	1.6	2.1	2.2	1.5	1.9	1.2	1.1	1.7	0.7	− 0.1	1.7
1 P.M.	2.1	3.1	2.3	2.2	2.0	1.5	1.2	1.0	1.5	1.7	1.7	2.3
2 „	2.6	3.8	2.5	1.9	1.7	1.4	1.2	1.1	1.5	1.7	2.2	2.9
3 „	3.4	4.3	2.5	1.5	1.6	1.1	0.9	1.0	1.4	1.6	2.4	3.2
4 „	3.3	3.6	1.7	1.2	1.3	1.4	0.5	0.7	0.4	1.4	2.5	3.2
5 „	2.6	2.9	1.3	0.4	0.9	0.4	0.1	0.5	0 0	0.5	2.0	2.4
6 „	2.2	2.0	0.1	0.1	0.3	− 0.2	− 0.3	0.0	− 0.4	− 0.4	1.8	2.4
7 „	1.9	1.6	− 0.1	− 0.3	0.1	− 0.5	− 0.5	− 0.2	− 0.7	− 0.3	1.6	2.4
8 „	1.4	1.1	− 0.1	− 0.6	0.0	− 0.7	− 0.5	− 0.3	− 0.7	− 0.4	1.9	2.4
9 „	0.6	0.1	− 0.1	− 0.6	− 0.4	− 0.6	− 0.5	− 0.5	− 0.5	− 0.7	0.9	1.4
10 „	− 0.1	− 1.0	− 0.1	− 0.7	− 0.6	− 0.5	− 0.8	− 0.5	− 0.6	− 1.0	− 0.2	− 0.4
11 „	− 1.2	− 1.4	− 0.4	− 0.8	− 0.7	− 0.4	− 0.6	− 0.6	− 0.4	− 1.0	− 0.8	− 0.5

TABLE XLIII.—*Showing, for the Year* 1861, *the Mean Temperature of Evaporation for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Temperature of Evaporation.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
Midnight.	73°0	− 0°9	
1 A.M.	72·9	− 1·0	
2 „	72·6	− 1·3	
3 „	72·4	− 1·5	Mean of {6, 7, 8, 9, 10, 11 P.M. / Midnt. 1, 2, 3, 4, 5 A.M.} or Night.... 73°2
4 „	72·3	− 1·6	
5 „	72·1	− 1·8	
6 „	72·0	− 1·9	Mean of {6, 7, 8, 9, 10, 11 A.M. / Noon, 1, 2, 3, 4, 5 P.M.} or Day..... 74·5
7 „	72·5	− 1·4	
8 „	73·2	− 0·7	
9 „	73·8	− 0·1	Mean Annual..... 73·9
10 „	74 2	0·3	
11 „	74·7	0·8	
Noon.	75·2	1·3	
1 P.M.	75·7	1·8	
2 „	75 9	2·0	TIMES OF MEAN MAXIMUM AND MINIMUM.
3 „	75·9	2·0	
4 „	75·6	1·7	A Minimum at 6 A.M.
5 „	75·0	1·1	A Maximum between 2 and 3 P.M.
6 „	74·5	0·6	
7 „	74·3	0·4	
8 „	74·1	0·2	
9 „	73·8	− 0·1	
10 „	73·4	− 0·5	
11 „	73.1	− 0·8	

TABLE XLIV.—*Showing, for the Year* 1861, *the Hours of Bombay Civil Time, at which the Mean Temperature of Evaporation or Wet Bulb Thermometer, in each Month, was at its Maximum and Minimum.*

Months, 1861.	The Mean Hourly Temperature of Evaporation.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Evaporation was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	70°1	63°4	6°7	3 P.M.	6 A.M.
February.....	72·7	65·3	7·4	3 „	7 „
March	74·1	69·6	4·5	3 „	6 „
April	78·6	74·4	4·2	1 „	6 „
May.....	80·7	77·1	3·6	1 „	3 „
June.....	80·7	77·5	3·2	Noon.	6 „
July.....	79·2	77·1	2·1	1 P.M.	5 „
August.....	78·1	76·1	2·0	1 „	4 „
September	78·1	75·2	2·9	Noon.	3 „
October	77·8	74·8	3·0	2 P.M.	6 „
November	73·1	68·2	4·9	4 „	5 „
December.....	70·8	64·0	6·8	4 „	6 „

TABLE XLV.—*Showing the Greatest and Least Temperature of Evaporation, in Simple Hourly Observations, in each Month during the Year* 1861.

Months, 1861.	Greatest Temperature of Evaporation.				Least Temperature of Evaporation.			
	Day and Hour.	Temperature of Evaporation.	Normal Mean.	Difference.	Day and Hour.	Temperature of Evaporation.	Normal Mean.	Difference.
	D. H.				D. H.			
January	15 3 P.M.	78°0	69°8	8°2	21 3 A.M.	53°3	66°3	-13°0
February	27 3 „	77·0	73·2	3·8	15 7 „	55·7	67·6	-11·9
March	14 3 „	79·5	75·4	4·1	7 6 „	61·0	69·9	- 8·9
April	18 2 „	81·0	78·8	2·2	11 6 „	69·2	73·8	- 4·6
May	21 11 „	84·0	80·3	3·7	14 5 „	74·4	76·9	- 2·5
June	8 Noon.	83·0	80·8	2·2	3 8 „	70·0	78·8	- 8·8
July	4 1 P.M.	82 5	80·6	1·9	20 5 „	74·0	76·1	- 2·1
August	28 1 „	81·0	79·0	2·0	13 1 „	74·4	76·1	- 1·7
September	27 2 „	80·6	79·0	1·6	21 3 „	72·5	75·1	- 2·6
October	15 1 „	81·0	78·9	2·1	31 9 „	70·0	74·4	- 4·4
November	13 4 „	76·2	74·5	1·7	8 1 „	60·4	72·3	-11·9
December	16 2 „	74·6	71·2	3·4	12 5 „	59·0	67·3	- 8·3

DEW-POINT.

TABLE XLVI.—*Showing, for each Month, the Mean Temperature of Calculated Dew-Point, and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Temperature of Dew-Point.	Difference from the Mean of the Year.	FOR SEASONS.	
January	62°4	- 9°0	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter..	66°9
February	64·7	- 6·7		
March	68·4	- 3·0		
April	73·8	2·4	Mean of { April, May, June, / July, Aug., Sept. } or Summer...	75·9
May	76.3	4·9		
June	77·4	6·0		
July	76·9	5·5	Mean of the Year.....	71·4
August	76·1	4·7		
September	74·8	3·4	Greatest Monthly Mean in June	77·4
October	74·4	3·0	Least Monthly Mean in January	62·4
November	67·6	- 3·8		
December	64·0	- 7·4	Difference....	15·0

TABLE XLVII.—*Mean Temperature of Deduced Dew-Point in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	62°3	63°9	68°7	73°5	75°9	77°4	76°6	75°5	74°7	74°3	67°9	64°0
1 A.M.	62.8	64.7	68·6	73.8	75.9	76.6	77.1	75.6	74.2	75 1	67.9	62.6
2 „	62.0	64.2	68.5	73.6	75.7	76.7	76.8	75.6	74.0	74.8	67.7	62.0
3 „	61.1	64.0	68.2	73.5	75.5	76.6	76.8	75.7	74.1	74.7	67.1	62.3
4 „	61.2	64.0	68 1	73.6	75.6	76.6	76.8	75.5	74.1	74.6	66.4	62.0
5 „	60.4	63.0	68.2	73.0	75.8	77.0	76.4	75.9	74.5	74.8	66.5	61.8
6 „	60.0	63.1	68·2	73.0	76.0	76.6	76.4	75.9	74.8	74.0	66.7	61.3
7 „	60.6	62.8	68.5	73.7	76.5	77.0	76.8	76.1	75.3	74.6	66.9	61.5
8 „	61.3	62.1	68.2	74.0	76.3	77.6	77.2	76.6	75.6	75.0	67.2	61.8
9 „	60.9	62.7	68.3	73.9	76.1	78.0	77.4	76.4	75.8	74.8	66.5	62.5
10 „	60.9	62.2	67.6	74.6	76.1	77.9	77.6	76.6	76.0	74.7	66·8	62.3
11 „	61.3	62.7	67.9	74.7	76.4	78.6	77.8	75.9	76.0	74.3	65.0	62.7
Noon.	60.8	63.7	69.2	74.8	76.4	78.7	77.8	76.7	76.0	73.8	64.2	63.2
1. P.M.	61.8	65.6	69.0	74·8	77.0	78.2	77.8	76.5	75.4	74.9	66.5	63.7
2 „	62.3	66.9	69 4	74.3	76.5	78.0	77.8	76.6	75.2	74.8	67.4	64.7
3 „	63.7	67.9	70.3	73.6	76.6	77.6	77.6	76.5	75.1	74.8	68.1	65.2
4 „	64.2	67.5	69.2	73.6	76.5	77·8	77.3	76 2	74.5	74.6	69.1	66.0
5 „	64.0	67.1	69.0	73.2	76.8	77.3	76.8	76.3	73.8	74.0	69.2	66.1
6 „	65.0	67.2	68.3	73.6	76.5	76.9	76.5	76.1	74.1	73.7	69.8	67.0
7 „	65.0	67.1	68.5	73.6	76.8	76.9	76.4	75.9	73.9	74.1	69.8	67.2
8 „	64·7	66.5	68.8	73.3	76.8	76.9	76.4	75.9	74.1	74.1	70.5	67.6
9 „	63.9	65.3	69.1	73.6	76.4	77.0	76.7	75 7	74.7	74.0	69.4	66.7
10 „	63.2	64.2	69.3	73.5	76.3	77.3	76.4	75.6	74.6	73.7	68.3	65.7
11 „	61.7	63.8	69.0	73.6	76.3	77.4	76.5	75.6	74.9	74.1	67.7	64.9

TABLE XLVIII.—*Excess of the Mean Hourly Temperature of Dew-Point above the Monthly Mean Value.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	- 0°1	- 0°3	0°3	- 0°3	- 0°4	0°0	- 0°3	- 1°4	- 0°1	- 0°1	0°3	0°0
1 A.M.	0.4	0.0	0.2	0.0	- 0.4	- 1.2	0.2	- 0.5	- 0.6	0.7	0.3	- 1.4
2 „	- 0.4	- 0 5	0.1	- 0.2	- 0.6	- 0.8	- 0.1	- 0.5	- 0.8	0.4	0.1	- 2.0
3 „	- 1.3	- 0.7	- 0.2	- 0.3	- 0.8	- 0.7	- 0.1	- 0.4	- 0.7	0.3	- 0.5	- 1.7
4 „	- 1.2	- 0.7	- 0.3	- 0.2	- 0.7	- 0.8	- 0.1	- 0.6	- 0.7	0.2	- 1.2	- 2.0
5 „	- 2.0	- 1.7	- 0.2	- 0.8	- 0.5	- 0.4	- 0.5	- 0.2	- 0.3	0.4	- 1.1	- 2.2
6 „	- 2.4	- 1.6	- 0.2	- 0.8	- 0.3	- 0.8	- 0.5	- 0.2	0.0	- 0.4	- 1.1	- 2.7
7 „	- 1.8	- 1.9	0.1	- 0.1	0.2	- 0.4	- 0 1	0.0	0.5	0.2	- 0.7	- 2.5
8 „	- 1.1	- 2.6	- 0.2	0.2	0.0	0.2	0.3	0.5	0.8	0.6	- 0.4	- 2.2
9 „	- 1.5	- 2.0	- 0.1	0.1	- 0.2	0.6	0.5	0.3	1.0	0.4	- 1.1	- 1.5
10 „	- 1.5	- 2.5	- 0.8	0.8	- 0.2	0.5	0.7	0.5	1.2	0.3	- 0.8	- 1.7
11 „	- 1.1	- 2.0	- 0.5	0.9	0.1	1.2	0.9	- 0.2	1.2	- 0.1	- 2.6	- 1.3
Noon.	- 1.6	- 1.0	0.8	1.0	0.1	1.3	0.9	0.6	1.2	- 0.6	- 3.4	- 0.8
1 P.M.	- 0.6	0.9	0.6	1.0	0.7	0.8	0.9	0.4	0.6	0.5	- 1.1	- 0.3
2 „	- 0.1	2.2	1.0	0.5	0.2	0.6	0.9	0.5	0.4	0.4	- 0.2	0.7
3 „	1.3	3.2	1.9	- 0.2	0.3	0.2	0.7	0.4	0.3	0.4	0.3	1.2
4 „	1.8	2.8	0 8	- 0.2	0.2	0.4	0.4	0.1	- 0.3	0.2	1·5	2.0
5 „	1.6	2.4	0.6	- 0.6	0.5	- 0.1	- 0.1	0 2	- 1.0	- 0.4	1.6	2.1
6 „	2.6	2.5	- 0.1	- 0.2	0.2	- 0.5	- 0.4	0.0	- 0.7	- 0·7	2.2	3.0
7 „	2.6	2.4	0.1	- 0.2	0.5	- 0.5	- 0.5	- 0.2	- 0.9	- 0.3	2.2	3.2
8 „	2.3	1.8	0.4	- 0.5	0.5	- 0.5	- 0.5	- 0.2	- 0.7	- 0.3	2.9	3.6
9 „	1.5	0.6	0.7	- 0.2	0.1	- 0.4	- 0.2	- 0.4	- 0.1	- 0.4	1.8	2.7
10 „	0.8	- 0.5	0.9	- 0.3	0.0	- 0.1	- 0.5	- 0.5	- 0.2	- 0.7	0.7	1.7
11 „	- 0.7	- 0.9	0.6	- 0.2	0.0	0.0	- 0.4	- 0.5	0.1	- 0.3	0.1	0.9

TABLE XLIX.—*Showing, for the Year* 1861, *the Mean Temperature of Dew-Point for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Temperature of Dew-Point.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
Midnight.	71°2	− 0°2	
1 A.M.	71·2	− 0·2	
2 „	71·0	− 0·4	
3 „	70·8	− 0·6	
4 „	70·7	− 0·7	
5 „	70·6	− 0·8	Mean of {6, 7, 8, 9, 10, 11 P.M. / Midnt. 1, 2, 3, 4, 5 A.M.} or Night .... 71°4
6 „	70·5	− 0·9	
7 „	70·9	− 0·5	
8 „	71·1	− 0·3	Mean of {6, 7, 8, 9, 10, 11 A.M. / Noon. 1, 2, 3, 4, 5 P.M.} or Day ..... 71·4
9 „	71·1	− 0·3	
10 „	71·1	− 0·3	
11 „	71·1	− 0·3	Mean ..... 71·4
Noon.	71·3	− 0·1	
1 P.M.	71·8	0·4	
2 „	72·0	0·6	
3 „	72·3	0·9	
4 „	72·2	0·8	TIMES OF MEAN MAXIMUM AND MINIMUM.
5 „	72·0	0·6	
6 „	72·1	0·7	
7 „	72·1	0·7	A Minimum at 6 A.M.
8 „	72·1	0·7	A Maximum at 3 P.M.
9 „	71·9	0·5	
10 „	71·5	0·1	
11 „	71·3	− 0·1	

TABLE L.—*Showing, for the Year* 1861, *the Hours of Bombay Civil Time, at which the Mean Temperature of Deduced Dew-Point, in each Month, was at its Maximum and Minimum.*

Months, 1861.	The Mean Hourly Temperature of Dew-Point.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Dew-Point was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	65°0	60°0	5°0	6 & 7 P.M	6 A.M.
February	67·9	62·1	5·8	3 „	8 „
March	70·3	67·6	2·7	3 „	10 „
April	74·8	73·0	1·8	Noon & 1 P.M.	5 & 6 A.M.
May.....	77·0	75·5	1·5	1 „	3 „
June.....	78·7	76·6	2·1	Noon.	6 „
July.....	77·8	76·4	1·4	Uncertain.	6 „
August.....	76·7	75·5	1·2	Noon.	4 „
September	76·0	73.8	2·2	11 A.M.	5 P.M.
October	75·1	73·7	1·4	1 „	6 „
November	70·5	64·2	6·3	8 P.M.	Noon.
December.....	67·6	61·3	6·3	8 „	6 A.M.

TABLE LI.—*Daily Range of Temperature of Deduced Dew-Point for each Day of Bombay Civil Time.*

Date, 1861.	MONTHS, 1861. January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		10°9	4°5	3°5	4°7	3°4	2°2	3°3		4°4	12°8	
2	9°2	8.8	8.0	7.7	4.6		2·5	2.9	4°4	4.1		17°1
3	13.1			9.0	3.5	1.3	2.1	2.0	3.2	3.3		10.8
4	14.5	8.5	10.8	5.2	2.4	8.1	3.6		2.8	4.1	15.5	14.4
5	10.4	7.3	7.4	2.6		6.7	2.9	2.3	2.3	5.6	15.8	10.0
6		5.2	5.1	5.6	2.9	4.9	2.7	2.5	2.3		16.8	7.5
7	9.9	6.0	14.2		3.4	7.4		2.4	3.9	4.3	20.8	6.8
8	6.7	8.9	9.0	6.3	3.0	7.2	4.5	1.9		3.5	19.5	
9	5.5	6.3		4.8	2.7		3.2	1.5	5.4	3.0	11.6	11.4
10	8.1			7.1	2·3	3.0	3.3	3.0	5.0	5.4		10.2
11	10.4	9.7	8.7	8.4	3.5	2.2	3.5		2.9	4.4	7.0	11.0
12	9.2	4·8	18.6	4.6		5.6	2.7	2.8	3.8	4.9	3.8	14.6
13		6.4	9.9	4.9	3.2	3.2	3.3	4.3	4.2		8.4	6.8
14	9.7	10.0	6.4		1.6	6.6		2.6	3.8	3.3	4.5	10.0
15	6.5	21.5	6.2	6.8	3.4	7.2	1.9	2.0		6.5	3.8	
16	6.1	10.3	2.5	5.7	1.9		2.2	2.9	5.2	3.9	5.6	3.8
17	8.2			3.0	2.8	5.6	3.3	3.1	2.9	3.6		8.2
18	6.4	15.9	7.3	4.6	4.1	2.9	2.8		4.3	5.1	6.3	8.0
19	7.6	16.7	5.1	5.3		4.3	2.9		5.6	2.5	9.3	9.3
20		19.9	8.5	8.8	3.2	3.3	3.8	1.5	4.1		8.7	13.0
21	10.2	17.4	7.8		4.4	4.6		3.6	5.2	4.2	13.0	13.1
22	12.3	20.0	2.9	5.4	2.7	4.4	2.6	2.6		3.5	7.2	
23	13.3	18.4	2.2	2.8	2.4		3.3	2.8	2.3	5.9	9.2	7.4
24	18.2	11.3		5.3		3.8	3.6	4.3	3.9	5.1		12.5
25	27.3		4.9	5.9	2.5	2.7	2.8		3.1	4.3	6.9	
26	7.6	14.6	4.1	5.0		2.6	2.3	2.2	3.1	4.0	3.5	10.1
27		16.1		5.1	2.3	4.1	4.1	3.6	4.5		6.4	8.7
28	10.9	23.0	6.3		5.6	3.5		4.8	4.7	9.9	3.0	5.6
29	9.2			2.7	1.9	4.6	3.6	3.3		6.9	9.0	
30	11.6		4.6	3.0	3.0		2.1	2.2	2.1	3.3	10.7	18.2
31	10.0				2.9		3.0	1.9		9.7		14.9

TABLE LII.—*Showing the Greatest and Least Temperature of Calculated Dew-Point, in Simple Hourly Observations, in each Month during the Year* 1861.

Months, 1861.	Greatest Temperature of Dew-Point. Day and Hour.	Temperature of Dew-Point.	Normal Mean.	Difference.	Least Temperature of Dew-Point. Day and Hour.	Temperature of Dew-Point.	Normal Mean.	Difference.
	D. H.				D. H.			
January	15 6 P.M.	74°5	71°1	3°4	25 2 P.M.	39°5	65°2	− 25°7
February	23 4 „	72·6	67·1	5·5	15 8 A.M.	44·9	64·6	− 19·7
March	14 4 „	76·8	70·6	6·2	4 7 P.M.	53·3	68·6	− 15·3
April	18 2 „	78·6	74·4	4·2	11 9 A.M.	63·7	72·8	− 9·1
May	21 11 A.M.	82·0	76·6	5·4	11 9 „	71·6	75·6	− 4·0
June	8 Noon.	81·7	77·2	4·5	3 8 „	65·6	76 5	− 10·9
July	4 10 A.M.	81·3	76·9	4·4	20 5 „	73.2	75·3	− 2.1
August	28 11 „	80·0	75·6	4·4	2 5 „	73·7	74·0	− 0.3
September	27 11 „	78·8	75·1	3·7	21 8 P.M.	70·3	75·3	− 5.0
October	15 1 P.M.	79·0	75·1	3·9	31 9 „	65·4	71·6	− 6·2
November	14 5 „	74·5	69·6	4·9	8 Midnight	50·4	70·0	− 19·6
December	20 8 „	73·6	65·4	8·2	1 3 P.M.	50.3	67·6	− 17·3

PRESSURE OF MOISTURE.

TABLE LIII.—*Showing, for each Month, the Mean Pressure of Moisture; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Pressure of Moisture.	Difference from the Mean of the Year.	FOR SEASONS.	
	in.	in.		in.
January	0.565	−0·206	Mean of {Jan., Feb., March, / Oct., Nov., Dec.} or Winter	0.664
February	·612	− ·159		
March	·696	− ·075		
April.....	·822	·051	Mean of {April, May, June, / July, Aug., Sept.} or Summer....	0·879
May.....	·890	·119		
June.....	·921	·150	Mean of the Year	0·771
July.....	·910	·139		
August.....	·883	·112		
September	·850	·079	Greatest Monthly Mean in June	0·921
October	·839	·068	Least Monthly Mean in January	0·565
November	·673	− ·098	Difference.....	0.356
December	·598	− ·173		

TABLE LIV.—*Mean Pressure of Moisture in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	0.564	0.596	0.698	0.815	0.880	0.922	0.898	0.369	0.846	0.834	0.679	0.598
1 A.M.	.573	.611	.696	.822	.879	.900	.913	.871	.833	.856	.680	.571
2 „	.558	.601	.692	.818	.873	.902	.906	.871	.828	.849	.675	.559
3 „	.543	.595	.686	.812	.869	.899	.905	.873	.830	.846	.662	.565
4 „	.544	.597	.683	.816	.871	.898	.904	.869	.829	.844	.647	.560
5 „	.529	.579	.685	.801	.877	.910	.893	.878	.841	.850	.648	.556
6 „	.523	.580	.685	.801	.882	.898	.894	.879	.848	.827	.654	.547
7 „	.534	.575	.693	.819	.892	.911	.904	.884	.862	.842	.658	.551
8 „	.548	.561	.687	.827	.890	.927	.915	.899	.872	.854	.664	.555
9 „	.537	.572	.689	.825	.886	.940	.923	.893	.877	.850	.648	.569
10 „	.539	.564	.673	.842	.885	.936	.929	.898	.881	.845	.655	.566
11 „	.546	.573	.679	.846	.892	.958	.934	.878	.883	.836	.618	.572
Noon.	.535	.591	.708	.849	.894	.960	.934	.902	.881	.821	.601	.583
1 P.M.	.555	.630	.706	.848	.910	.947	.934	.896	.864	.851	.649	.592
2 „	.565	.658	.713	.834	.896	.940	.935	.899	.860	.848	.669	.611
3 „	.593	.680	.717	.818	.899	.928	.927	.896	.858	.849	.684	.621
4 „	.601	.669	.698	.817	.896	.933	.918	.888	.841	.844	.706	.637
5 „	.606	.661	.704	.807	.904	.920	.906	.891	.823	.827	.709	.641
6 „	.616	.665	.689	.816	.897	.908	.896	.884	.830	.818	.723	.660
7 „	.616	.662	.693	.816	.905	.907	.894	.879	.825	.830	.722	.664
8 „	.611	.650	.700	.810	.905	.908	.895	.878	.831	.830	.739	.673
9 „	.594	.624	.706	.816	.893	.912	.901	.874	.845	.826	.713	.653
10 „	.582	.601	.710	.816	.890	.919	.893	.872	.843	.820	.688	.633
11 „	.553	.596	.705	.817	.889	.922	.897	.871	.851	.829	.675	.615

TABLE LV.—*Excess of the Mean Hourly Pressure of Moisture above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	-0.001	-0.016	-0.002	-0.007	-0.010	0.001	-0.012	-0.014	-0.004	-0.005	0.006	0.000
1 A.M.	.008	-.001	·000	.000	-.011	-.021	.003	-.012	-.017	.017	.007	.027
2 „	-.007	-.011	-.004	-.004	-·017	-.019	-.004	-.012	-.022	.010	.002	-.039
3 „	-.022	-.017	-.010	-.010	-.021	-.022	-.005	-.010	-.020	.007	-.011	-.033
4 „	-.021	-.015	-.013	-.006	-.019	-.023	-.006	-.014	-.021	.005	-.026	-.038
5 „	-.036	-.033	-.011	-.021	-.013	-·012	-.017	-.005	-.009	.011	-.025	-.042
6 „	-.042	-.032	-.011	-.021	-.008	-.023	-.016	-.004	-.002	-.042	-.019	-.051
7 „	-.031	-.037	-.003	-.003	.002	-.011	-.006	.001	.012	.003	-.015	-.047
8 „	-.017	-.051	-·009	.005	.000	.005	.005	·016	.022	.015	-.009	-·043
9 „	-.028	-.040	-.007	.003	-.004	.018	.013	·010	.027	.011	-.025	-.029
10 „	-.026	-.048	-.023	.020	-.005	.014	.019	·015	.031	.006	-.018	-.032
11 „	-.019	-.039	-.017	.024	.002	.036	.024	-.005	.033	-.003	-.055	-.026
Noon.	-.030	-.021	.012	.027	.004	.038	.024	·019	.031	-.018	-.072	-.015
1 P.M.	-.010	.018	.010	.026	.020	.025	.024	·013	.014	.012	-.024	-.006
2 „	.000	.046	.017	.012	.006	.018	.025	·016	.010	.009	-.004	.013
3 „	.028	.068	.021	-.004	.009	.006	.017	·013	.008	.010	.011	.023
4 „	.036	.057	.002	-.005	.006	.011	.008	·005	-.009	.005	.033	.039
5 „	.041	.049	.008	-.015	.014	-.002	-.004	·008	-·027	-.012	.036	.043
6 „	.051	.053	-.007	-.006	.007	-.014	-.014	·001	-.020	-.021	.050	.062
7 „	.051	.050	-.003	-.006	.015	-.015	-.016	-.004	-.025	-.009	.049	.066
8 „	.046	.038	.004	-.012	.015	-.014	-.015	-.005	-.019	-.009	.066	.075
9 „	.029	.012	.010	-.006	.003	-.010	-.009	-.009	-.005	-.013	.040	.055
10 „	.017	-.011	.014	-.006	.000	-.003	-.017	-.011	-.007	-.019	.015	.035
11 „	-.012	-.016	.009	-.005	-.001	.000	-.013	-.012	.001	-.010	.002	.017

TABLE LVI.—*Showing, for the Year* 1861, *the Mean Pressure of Moisture for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Pressure of Moisture.	Difference from the Mean of the Whole.
	in.	in.
Midnight.	0·767	-0·004
1 A.M.	·767	-·004
2 „	·761	-·010
3 „	·757	-·014
4 „	·755	-·016
5 „	·754	-·017
6 „	·751	-·020
7 „	·760	-·011
8 „	·767	-·004
9 „	·767	-·004
10 „	·768	-·003
11 „	·768	-·003
Noon.	·772	·001
1 P.M.	·782	·011
2 „	·786	·015
3 „	·789	·018
4 „	·787	·016
5 „	·783	·012
6 „	·783	·012
7 „	·784	·013
8 „	·786	·015
9 „	·780	·009
10 „	·772	·001
11 „	·768	-·603

FOR DAY AND NIGHT.

Mean of {6, 7, 8, 9, 10, 11 P.M. / Midnt. 1, 2, 3, 4, 5 A.M.} or Night .... in. 0·769

Mean of {6, 7, 8, 9, 10, 11 A.M. / Noon, 1, 2, 3, 4, 5 P.M.} or Day .... 0·773

Mean ..... 0·771

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Minimum at 6 A.M.

A Maximum at 3 P.M.

TABLE LVII.—*Showing, for the Year* 1861, *the Hours of Bombay Civil Time, at which the Mean Pressure of Moisture, in each Month, was at its Maximum and Minimum.*

Months, 1861.	The Mean Hourly Pressure of Moisture.		Mean Diurnal Range.	The Time at which the Mean Hourly Pressure of Moisture was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	in.	in.	in.	H.	H.
January	0·616	0·523	0·093	6 & 7 P.M.	6 A.M.
February	·680	·561	·119	3 ,,	8 ,,
March	·717	·673	·044	3 ,,	10 ,,
April	·849	·801	·048	Noon.	5 & 6 ,,
May	·910	·869	·041	1 P.M.	3 ,,
June	·960	·898	·062	Noon.	4 ,,
July	·935	·893	·042	2 P.M.	5 ,,
August	·902	·869	·033	Noon.	4 ,,
September	·883	·823	·060	11 A.M.	5 P.M.
October	·856	·818	·038	1 ,,	6 ,,
November	·739	·601	·138	8 P.M.	Noon.
December	·673	·547	·126	8 ,,	6 A.M.

HUMIDITY OF AIR.

TABLE LVIII.—*Showing, for each Month, the Mean Humidity of Air; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Humidity of Air.	Difference from the Mean of the Year.	FOR SEASONS.	
January	0·68	−0·11		
February	·71	− ·08	Mean of { Jan., Feb., March, Oct., Nov., Dec. } or Winter	0·74
March	·75	− ·04		
April	·76	− ·03	Mean of { April, May, June, July, Aug., Sept. } or Summer	0·83
May	·76	− ·03		
June	·85	·06	Mean of the Year	0·79
July	·89	·10		
August	·90	·11	Greatest Monthly Mean in August	0·90
September	·84	·05	Least Monthly Mean in January	0·68
October	·83	·04		
November	·75	− ·04	Difference	0·22
December	·71	− ·08		

TABLE LIX.—*Mean Humidity of Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	0.74	0.76	0.82	0.81	0.82	0.89	0.91	0.91	0.89	0.89	0.82	0.79
1 A.M.	.77	.80	.83	.84	.82	.88	.93	.92	.88	.90	.83	.77
2 „	.76	.79	.84	.85	.83	.89	.93	.93	.88	.91	.84	.76
3 „	.75	.80	.85	.86	.84	.88	.93	.94	.88	.91	.84	.78
4 „	.75	.81	.86	.86	.84	.89	.94	.94	.89	.92	.84	.79
5 „	.74	.80	.87	.85	.85	.90	.92	.94	.91	.92	.84	.79
6 „	.75	.81	.88	.86	.85	.90	.92	.95	.92	.91	.86	.79
7 „	.76	.80	.86	.81	.80	.88	.91	.94	.91	.91	.84	.78
8 „	.72	.71	.78	.76	.75	.85	.90	.92	.88	.86	.79	.73
9 „	.65	.66	.72	.72	.72	.83	.88	.89	.86	.83	.73	.70
10 „	.60	.59	.66	.70	.69	.81	.87	.88	.83	.80	.68	.65
11 „	.57	.55	.63	.67	.67	.80	.86	.86	.81	.75	.61	.60
Noon.	.53	.55	.63	.66	.65	.79	.85	.86	.78	.71	.55	.57
1 P.M.	.52	.56	.61	.65	.64	.78	.85	.85	.75	.72	.56	.56
2 „	.53	.59	.61	.64	.63	.77	.85	.84	.74	.71	.58	.57
3 „	.55	.62	.63	.63	.64	.76	.86	.85	.74	.72	.61	.58
4 „	.58	.63	.63	.65	.67	.78	.87	.85	.75	.72	.65	.63
5 „	.63	.66	.67	.68	.71	.80	.87	.87	.78	.75	.71	.69
6 „	.69	.73	.72	.73	.75	.82	.88	.90	.81	.80	.76	.75
7 „	.71	.75	.75	.75	.80	.86	.89	.91	.82	.83	.78	.77
8 „	.72	.75	.77	.77	.81	.87	.89	.92	.84	.84	.82	.79
9 „	.72	.74	.79	.79	.80	.88	.91	.91	.91	.85	.81	.79
10 „	.72	.74	.81	.80	.81	.89	.91	.91	.91	.86	.81	.81
11 „	.71	.74	.81	.80	.82	.89	.92	.92	.88	.87	.81	.81

TABLE LX.—*Excess of the Mean Humidity of Air above the Monthly Mean Value.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	0.06	0.05	0.07	0.05	0.06	0.04	0.02	0.01	0.05	0.06	0.07	0.08
1 A.M.	.09	.09	.08	.08	.06	.03	.04	.02	.04	.07	.08	.06
2 „	.08	.08	.09	.09	.07	.04	.04	.03	.04	.08	.09	.05
3 „	.07	.09	.10	.10	.08	.03	.04	.04	.04	.08	.09	.07
4 „	.07	.10	.11	.10	.08	.04	.05	.04	.05	.09	.09	.08
5 „	.06	.09	.12	.09	.09	.05	.03	.04	.07	.09	.09	.08
6 „	.07	.10	.13	.10	.09	.05	.03	.05	.08	.08	.11	.08
7 „	.08	.09	.11	.05	.04	.03	.02	.04	.07	.08	.09	.07
8 „	.04	.00	.03	.00	− .01	.00	.01	.02	.04	.03	.04	.02
9 „	− .03	− .05	− .03	− .04	− .04	− .02	− .01	− .01	.02	.00	− .02	− .01
10 „	− .08	− .12	− .09	− .06	− .07	− .04	− .02	− .02	− .01	− .03	− .07	− 06
11 „	− .11	− .16	− .12	− .09	− .10	− .05	− .03	− .04	− .03	− .08	− .14	− .11
Noon.	− .15	− .16	− .12	− .10	− .11	− .06	− .04	− .04	− .06	− .12	− .20	− .14
1 P.M.	− .16	− .15	− .14	− .11	− .12	− .07	− .04	− .05	− .09	− .11	− .19	− .15
2 „	− .15	− .12	− .14	− .12	− .13	− .08	− .04	− .06	− .10	− .12	− .17	− .14
3 „	− .13	− .09	− .12	− .13	− .12	− .09	− .03	− .05	− .10	− .11	− .14	− .13
4 „	− .10	− .08	− .12	− .11	− .09	− .07	− .02	− .05	− .09	− .11	− .10	− .08
5 „	− .05	− .05	− .08	− .08	− .05	− .05	− .02	− .03	− .06	− .08	− .04	− .02
6 „	.01	.02	− .03	− .03	− .01	− .03	− .01	.00	− .03	− .03	.01	.04
7 „	.03	.04	.00	− .01	.04	.01	.00	.01	− .02	.00	.03	.06
8 „	.04	.04	.02	.01	.05	.02	.00	.02	.00	.01	.07	.08
9 „	.04	.03	.04	.03	.04	.03	.02	.01	.07	.02	.06	.08
10 „	.04	.03	.06	.04	.05	.04	.02	.01	.07	.03	.06	.10
11 „	.03	.03	.06	.04	.06	.04	.03	.02	.04	.04	.06	.10

TABLE LXI.—*Showing, for the Year* 1861, *the Mean Humidity of Air for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Humidity of Air.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
Midnight.	0·84	0·05	
1 A.M.	·85	·06	
2 „	·85	·06	
3 „	·86	·07	Mean of {6, 7, 8, 9, 10, 11 P.M. / Midnt. 1, 2, 3, 4, 5 A.M.} or Night.... 0·83
4 „	·86	·07	
5 „	·86	·07	
6 „	·87	·08	Mean of {6, 7, 8, 9, 10, 11 A.M. / Noon, 1, 2, 3, 4, 5 P.M.} or Day.... 0·74
7 „	·85	·06	
8 „	·80	·01	
9 „	·77	− ·02	Mean Annual..... 0·79
10 „	·73	− ·06	
11 „	·70	− ·09	
Noon.	·68	− ·11	
1 P.M.	·67	− ·12	
2 „	·67	− ·12	TIMES OF MEAN MAXIMUM AND MINIMUM.
3 „	·68	− ·11	
4 „	·70	− ·09	A Maximum at 6 A.M.
5 „	·73	− ·06	A Minimum at 1 P.M.
6 „	·78	− ·01	
7 „	·80	·01	
8 „	·82	·03	
9 „	·82	·03	
10 „	·83	·04	
11 „	·83	·04	

TABLE LXII.—*Showing, for the Year* 1861, *the Hours of Bombay Civil Time, at which the Mean Hourly Humidity of Air, in each Month, was at its Maximum and Minimum.*

Months, 1861.	The Mean Hourly Humidity of Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Humidity of Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
January	0·77	0·52	0·25	1 A.M.	1 P.M.
February	·81	·55	·26	6 „	Noon.
March	·88	·61	·27	6 „	1 P.M.
April	·86	·63	·23	6 „	3 „
May.....	·85	·63	·22	6 „	2 „
June.....	·90	·76	·14	6 „	3 „
July.....	·94	·85	·09	4 „	1 „
August.....	·95	·84	·11	6 „	1 „
September	·92	·74	·08	6 „	2 „
October	·92	·71	·11	5 „	Noon.
November	·86	·55	·31	6 „	„
December.....	·81	·56	·25	10 P.M.	1 P.M.

TABLE LXIII.—*Showing, for each Month, the Mean Pressure of supposed Dry Air; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Pressure of Dry Air.	Difference from the Mean of the Year.	FOR SEASONS.
	in.	in.	in.
January	29·339	0·314	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter .. 29·222
February	·286	·261	
March	·158	·133	
April	28·943	− ·062	Mean of { Apr., May, June, / July, Aug., Sept. } or Summer .. 28·828
May	·824	− ·201	
June	·745	− ·280	
July	·729	− ·296	Mean of the Year.. 29·025
August	·805	− ·220	
September	·924	− ·101	Greatest Monthly Mean in January..... 29·339
October	29·019	− ·006	Least Monthly Mean in July ..... 28·729
November	·194	·169	
December	·334	·309	Difference.. 0·610

TABLE LXIV.—*Mean Pressure of supposed Dry Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	29.345	29.317	29.165	28·942	28·843	28·751	28.748	28.824	28.930	29.024	29.186	29.335
1 A.M.	.324	.275	.158	.928	.821	.761	.714	.808	.931	28.985	.172	.357
2 „	.327	.266	.152	.922	.816	.744	.708	.795	.923	.980	.165	.358
3 „	.334	.268	.151	.921	.817	.740	.699	.786	.914	.980	.176	.342
4 „	.336	.266	.152	.922	.820	.742	.702	.791	.917	.985	.194	.350
5 „	.366	.292	.153	.960	.822	.736	.722	.789	.916	.992	.203	.359
6 „	.392	.312	.168	.980	.839	.767	.740	.803	.927	29.035	.219	.383
7 „	.405	.346	.187	.981	.843	.770	.751	.816	.926	.045	.238	.410
8 „	.413	.382	.214	.994	.864	.766	.747	.820	.947	.053	.254	.429
9 „	.436	.400	.228	.999	.892	.761	.747	.831	.943	.072	.285	.430
10 „	.431	.411	.241	.978	.879	.766	.741	.832	.940	.072	.271	.428
11 „	.405	.390	.226	.964	.863	.737	.732	.846	.927	.056	.286	.403
Noon.	.388	.349	.169	.941	.848	.724	.723	.810	.908	.043	.275	.361
1 P.M.	.334	.259	.155	.913	.801	.727	.711	.797	.909	28.986	.195	.326
2 „	.300	.206	.120	.902	.798	.718	.695	.785	.891	.968	.156	.286
3 „	.260	.167	.098	.898	.778	.716	.691	.763	.880	.955	.132	.265
4 „	.251	.173	.111	.888	.773	.701	.692	.763	.889	.962	.114	.247
5 „	.260	.183	.100	.906	.768	.709	.713	.760	.910	.999	.119	.253
6 „	.263	.190	.129	.911	.785	.734	.728	.779	.919	29.023	.121	.240
7 „	.286	.211	.140	.930	.788	.749	.741	.800	.944	.032	.142	.255
8 „	.306	.246	.144	.953	.804	.761	.753	.819	.957	.049	.144	.263
9 „	.328	.292	.161	.960	.836	.769	.757	.838	.953	.059	.177	.297
10 „	.340	.321	.161	.968	.843	.770	.772	.845	.956	.062	.202	.317
11 „	.366	.322	.164	.959	.838	.761	.762	.839	.941	.040	.207	.326

TABLE LXV.—*Excess of the Mean Hourly Pressure of supposed Dry Air above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	0.006	0.031	0.007	- 0.001	0.019	0.006	0.019	0.019	0.006	0.005	- 0.008	0.001
1 A.M.	- .015	- .011	.000	- .015	- .003	.016	- .015	.003	.007	- .034	- .022	.023
2 „	- .012	- .020	- .006	- .021	- .008	- .011	- .021	- .010	- .001	- .039	- .029	.024
3 „	- .005	- .018	- .007	- .022	- .007	- .005	- .030	- .019	- .010	- .039	- .018	.008
4 „	- .003	- .020	- .006	- .021	- .004	- .003	- .027	- .014	- .007	- .034	.000	.016
5 „	.027	.006	- .005	.017	- .002	- .009	- .007	- .016	- .008	- .027	.009	.025
6 „	.053	.026	.010	.037	.015	.022	.011	- .002	.003	.016	.025	.049
7 „	.066	.060	.029	.038	.019	.025	.022	.011	.002	.026	.044	.076
8 „	.074	.096	.056	.051	.040	.021	.018	.015	.023	.034	.060	.095
9 „	.097	.114	.070	.056	.058	.016	.018	.026	.019	.053	.091	.096
10 „	.092	.125	.083	.035	.055	.021	.012	.027	.016	.053	.074	.094
11 „	.066	.104	.068	.021	.039	- .008	.003	.041	.003	.037	.092	.069
Noon.	.049	.063	.011	- .002	.024	- .021	- .006	.005	- .016	- .024	.081	.027
1 P.M.	- .005	- .027	- .003	- .030	- .023	- .018	- .018	- .008	- .015	- .033	.001	- .008
2 „	- .039	- .080	- .038	- .041	- .026	- .027	- .034	- .020	- .033	- .051	- .038	- .048
3 „	- .079	- .119	- .060	- .045	- .046	- .029	- .038	- .042	- .044	- .064	- .062	- .069
4 „	- .088	- .113	- .041	- .055	- .051	- .044	- .037	- .042	- .035	- .057	- .080	- .087
5 „	- .079	- .103	- .058	- .037	- .056	- .036	- .016	- .045	- .014	- .020	- .075	- .081
6 „	- .076	- .096	- .029	- .032	- .039	- .011	- .001	- .026	- .005	.004	- .073	- .094
7 „	- .053	- .075	- .018	- .013	- .036	.004	.012	- .005	.020	.013	- .052	- .079
8 „	- .033	- .040	- .014	.010	- .020	.016	.024	.014	.027	.030	- .050	- .071
9 „	- .011	.006	.003	.017	.012	.024	.028	.033	.029	.040	- .017	- .037
10 „	.001	.035	.003	.025	.019	.025	.043	.040	.032	.043	.008	- .017
11 „	.027	.036	.006	.016	.014	.016	.033	.034	.017	.021	.013	- .008

TABLE LXVI.—*Shewing, for the Year* 1861, *the Mean Pressure of supposed Dry Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Pressure of Dry Air.	Difference from the Mean of the Whole.
	in.	in.
Midnight.	29·034	0·009
1 A.M.	·020	- ·005
2 „	·013	- ·012
3 „	·011	- ·014
4 „	·015	- ·010
5 „	·026	·001
6 „	·048	·023
7 „	·061	·036
8 „	·073	·048
9 „	·085	·060
10 „	·082	·057
11 „	·069	·044
Noon.	·045	·020
1 P.M.	·009	- ·016
2 „	28·985	- ·040
3 „	·967	- ·058
4 „	·964	- ·061
5 „	·973	- ·052
6 „	·986	- ·039
7 „	29·002	- ·023
8 „	·016	- ·009
9 „	·035	·010
10 „	·047	·022
11 „	·044	·019

FOR DAY AND NIGHT.

	in.
Mean of { 6, 7, 8, 9, 10, 11 P.M. / Midnt. 1, 2, 3, 4, 5 A.M. } or Night..	29·021
Mean of { 6, 7, 8, 9, 10, 11 A.M. / Noon. 1, 2, 3, 4, 5 P.M. } or Day....	29·030
Mean Annual.....	29·025

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Minimum at 3 A.M.
A Maximum at 9 A.M.
A Minimum at 4 P.M.
A Maximum at 10 P.M.

TABLE LXVII.—*Showing, for the Year* 1861, *the Hours of Bombay Civil Time, at which the Mean Pressure of supposed Dry Air, in each Month, was at its Maximum and Minimum.*

Months, 1861.	The Mean Hourly Pressure of supposed Dry Air.				Mean Diurnal Range.	The Time at which the Mean Hourly Pressure of supposed Dry Air was at its			
	Morning.		Evening.			Morning.		Evening.	
	Minimum.	Maximum.	Minimum.	Maximum.		Minimum.	Maximum.	Minimum.	Maximum.
	in.	in.	in.	in.	in.	H.	H.	H.	H.
January	29·324	29·436	29·251	29·366	0·185	1 A.M.	9 A.M.	4 P.M.	11 P.M.
February	·266	·411	·173	·322	·238	4 „	10 „	4 „	11 „
March	·151	·241	·098	·165	·143	3 „	10 „	3 „	Midnight.
April	28·921	28·999	28·888	28·968	·111	3 „	9 „	4 „	10 P.M.
May	·816	·882	·768	·843	·114	2 „	9 „	5 „	10 „
June	·740	·770	·701	·770	·069	3 „	7 „	4 „	10 „
July	·699	·751	·691	·772	·081	3 „	7 „	3 „	10 „
August	·786	·846	·760	·845	·086	3 „	11 „	5 „	10 „
September	·914	·947	·880	·956	·076	3 „	8 „	3 „	10 „
October	·980	29·072	·955	29·062	·117	3 „	9 „	3 „	10 „
November	29·165	·285	29·114	·207	·171	2 „	9 „	4 „	11 „
December	·342	·430	·249	·358	·190	3 „	9 „	6 „	2 A.M.

WEIGHT OF COMMON AIR.

TABLE LXVIII.—*Showing, for each Month, the Mean Weight, in Grains, of a Cubic Foot of Common Air; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Weight of a Cubic Foot of Air.	Difference from the Mean of the Year.	FOR SEASONS.	
	grs.	grs.		grs.
January	509	8	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter ..	506
February	508	7		
March	504	3		
April	496	− 5	Mean of { April, May, June, / July, Aug., Sept. } or Summer ...	496
May	492	− 9		
June	494	− 7		
July	497	− 4	Mean of the Year.....	501
August	499	− 2		
September	499	− 2	Greatest Monthly Mean in December.....	510
October	501	0	Least Monthly Mean in May	492
November	506	5		
December	510	9	Difference....	18

TABLE LXIX.—*Mean Weight, in Grains, of a Cubic Foot of Common Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
Midnight.	514	511	508	499	496	496	499	502	503	505	509	515
1 A.M.	514	512	508	499	496	496	498	501	503	505	509	514
2 „	515	513	509	501	497	496	498	501	503	504	510	515
3 „	514	513	510	501	497	497	498	501	503	504	510	515
4 „	515	514	510	503	497	496	498	501	503	505	511	515
5 „	515	514	510	503	497	497	498	501	503	506	511	516
6 „	516	516	511	504	497	497	499	502	504	506	511	517
7 „	517	515	510	500	495	497	497	502	504	506	512	517
8 „	513	513	508	497	493	495	497	500	500	504	510	516
9 „	511	509	504	496	491	494	496	498	499	501	509	512
10 „	509	507	501	493	490	494	495	499	498	500	506	510
11 „	505	502	500	492	489	491	494	497	497	499	502	507
Noon.	501	501	497	491	487	491	494	496	496	495	498	502
1 P.M.	500	498	495	489	486	490	494	496	493	495	497	500
2 „	498	497	495	489	486	490	494	496	493	493	496	500
3 „	499	498	496	489	485	490	494	495	493	494	496	500
4 „	500	499	496	490	486	490	494	496	495	494	497	501
5 „	503	501	499	492	489	492	495	496	497	497	500	506
6 „	506	506	502	495	491	494	495	497	498	500	505	508
7 „	508	507	505	497	494	495	497	499	499	501	506	509
8 „	509	509	506	497	494	496	497	500	500	501	507	510
9 „	510	509	506	498	495	497	497	500	502	504	508	511
10 „	511	510	507	499	494	497	499	500	502	504	509	513
11 „	512	511	507	498	495	497	499	502	502	505	510	515

TABLE LXX.—*Showing, for the Year 1861, the Mean Weight, in Grains, of a Cubic Foot of Common Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Weight of a Cubic Foot of Air	Difference from the Mean of the Whole.
	grs.	grs.
Midnight.	505	4
1 A.M.	505	4
2 „	505	4
3 „	505	4
4 „	506	5
5 „	506	5
6 „	507	6
7 „	506	5
8 „	504	3
9 „	502	1
10 „	500	− 1
11 „	498	− 3
Noon.	496	− 5
1 P.M.	494	− 7
2 „	494	− 7
3 „	494	− 7
4 „	495	− 6
5 „	497	− 4
6 „	500	− 1
7 „	501	0
8 „	502	1
9 „	503	2
10 „	504	3
11 „	504	3

FOR DAY AND NIGHT.

	grs.
Mean of { 6, 7, 8, 9, 10, 11 P.M. / Mid. 1, 2, 3, 4, 5 A.M. } or Night	5·04
Mean of { 6, 7, 8, 9, 10, 11 A.M. / Noon. 1, 2, 3, 4, 5 P.M. } or Day.....	4.99
Mean Annual ...	5.01

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Maximum at 6 A.M.
A Minimum at 2 P.M.

TABLE LXXI.—*Showing, for the Year* 1861, *the Hours of Bombay Civil Time, at which the Mean Weight, in Grains, of a Cubic Foot of Common Air, in each Month, was at its Maximum and Minimum.*

Months, 1861.	The Mean Hourly Weight of a Cubic Foot of Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Weight of a Cubic Foot of Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	grs.	grs.	grs.	H.	H.
January	517	498	19	7 A.M.	2 P.M.
February	516	497	19	6 „	2 „
March	511	495	16	6 „	2 „
April	504	489	15	6 „	2 „
May	497	485	12	Uncertain.	3 „
June	497	490	7	„	Uncertain.
July	499	494	5	„	„
August	502	495	7	„	3 P.M.
September	504	493	11	6 and 7 A.M.	2 „
October	506	493	13	6 „	2 „
November	512	496	16	7 „	2 „
December	517	500	17	7 „	2 „

VAPOUR IN A CUBIC FOOT OF AIR.

TABLE LXXII.—*Showing, for each Month, the Mean Weight, in Grains, of Vapour in a Cubic Foot of Common Air; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Weight of Vapour in a Cubic Foot of Air.	Difference from the Mean of the Year.	FOR SEASONS.
	grs.	grs.	grs.
January	6·2	− 2·2	Mean of {Jan., Feb., March, Oct., Nov., Dec.} or Winter ..... 7·3
February	6·7	− 1·7	
March	7·6	− 0·8	
April	8·8	0·4	Mean of {Apr., May, June, July, Aug., Sept.} or Summer ..... 9·5
May	9·5	1·1	
June	9·9	1·5	Mean of the Year.. 8·4
July	9 8	1·4	
August	9·6	1·2	
September	9·2	0·8	Greatest Monthly Mean in June..... 9·9
October	9 0	0·6	Least Monthly Mean in January..... 6·2
November	7·4	− 1·0	
December	6·6	− 1·8	Difference..... 3·7

TABLE LXXIII.—*Mean Weight, in Grains, of Vapour in a Cubic Foot of Common Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
Midnight.	6·2	6.6	7.7	8.9	9·5	9.8	9.9	9·6	9.2	8.9	7.4	6.6
1 A.M.	6.4	6.8	7·7	8.9	9.5	9.8	9.9	9.6	8.9	9.2	7.4	6.4
2 „	6.2	6.6	7.7	8.9	9·5	9.8	9.9	9.6	8.9	9.2	7.4	6·2
3 „	6.0	6.6	7.4	8.9	9.5	9.8	9.9	9.6	8.9	9.2	7.2	6.2
4 „	6.0	6.6	7.4	8.9	9.5	9.8	9.9	9.6	8.9	9.3	7.0	6.2
5 „	5.8	6.4	7.4	8.7	9.5	9·8	9.6	9.6	9.2	9.3	7.2	6.2
6 „	5.8	6.4	7.4	8.7	8.5	9.8	9.6	9.6	9.3	9.0	7.2	6.0
7 „	6.0	6.4	7.7	8·9	9.7	9.8	9.9	9.6	9.2	9.2	7.2	6.2
8 „	6.0	6.2	7·4	8.9	9.4	10.1	9.8	9.9	9.5	9.2	7.2	6·2
9 „	5.9	6.3	7.4	8.8	9.4	10.1	9.8	9.5	9.5	9.2	7.2	6.4
10 „	5.9	6.1	7.3	9.1	9.4	10.1	10.1	9.8	9.5	9.2	7.1	6.1
11 „	5.9	6.3	7.3	9.1	9.4	10.4	10.1	9.5	9.5	8.8	6.7	6.4
Noon.	5.9	6.5	7.6	9.1	9.3	10.4	10.1	9.8	9.5	8·8	6.5	6.3
1 P.M.	6.1	7.8	7.6	9.1	9.6	10.0	10.1	9.8	9.2	9.1	7.1	6.5
2 „	6.1	7.1	7.6	8.7	9.6	10.0	10.1	9.8	9.1	9.1	7.1	6.7
3 „	6.5	7.3	7.8	8.7	9.6	10.0	10.1	9.8	9.1	9.1	7.3	6.7
4 „	6.5	7.3	7.6	8.8	9.7	10.1	9.8	9.5	9.1	9.1	7.6	6.9
5 „	6.5	7.1	7.6	8.6	9.7	9.8	9.8	9.5	8·9	9.1	7.7	7.0
6 „	6.8	7.2	7.4	8.8	9.7	9.8	9.8	9.5	8.9	8.9	7.9	7.2
7 „	6.8	7.2	7.7	8.9	9.8	9.8	9.5	9.6	8.9	8.9	7.9	7.2
8 „	6.8	7.2	7.7	8.7	9.8	9.8	9.5	9.6	8.9	8.9	8.1	7.4
9 „	6.6	6.8	7.7	8.9	9.5	9.8	9.9	9.6	9.2	8.9	7.7	7.2
10 „	6.4	6.6	7.7	8.9	9.5	9.8	9.6	9.6	9.2	8.9	7.4	7.0
11 „	6.2	6.6	7.7	8.9	9.5	9.8	9.6	9.6	9.2	8.9	7.4	6.8

TABLE LXXIV.—*Showing, for the Year* 1861, *the Mean Weight, in Grains, of Vapour in a Cubic Foot of Common Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Weight of Vapour in a Cubic Foot of Air.	Difference from the Mean of the Whole Year.
	grs.	grs.
Midnight.	8·4	0·0
1 A.M.	8·4	0·0
2 „	8·3	− 0·1
3 „	8·3	− 0·1
4 „	8·3	− 0·1
5 „	8·2	− 0·2
6 „	8·2	− 0·2
7 „	8·3	− 0·1
8 „	8·3	− 0·1
9 „	8·3	− 0·1
10 „	8·3	− 0·1
11 „	8·3	− 0·1
Noon.	8·3	− 0·1
1 P.M.	8·5	0·1
2 „	8·4	0·0
3 „	8·6	0·2
4 „	8·5	0·1
5 „	8·4	0·0
6 „	8·5	0·1
7 „	8·5	0·1
8 „	8·5	0·1
9 „	8·5	0·1
10 „	8·4	0·0
11 „	8·4	0·0

FOR DAY AND NIGHT.

	grs.
Mean of {6, 7, 8, 9, 10, 11 P.M. / Midnt, 1, 2, 3, 4, 5 A.M.} or Night	8·4
Mean of {6, 7, 8, 9, 10, 11 A.M. / Noon, 1, 2, 3, 4, 5 P.M.} or Day	8.4
Mean Annual.....	8·4

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Minimum at 6 A.M.
A Maximum at 3 P.M.

TABLE LXXV.—*Showing, for the Year* 1861, *the Hours of Bombay Civil Time, at which the Mean Weight, in Grains, of Vapour in a Cubic Foot of Common Air, in each Month, was at its Maximum and Minimum.*

Months, 1861.	The Mean Hourly Weight of Vapour in a Cubic Foot of Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Weight of Vapour in a Foot of Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	grs.	grs.	grs.	H.	H.
January	6·8	5·8	1·0	7 P.M.	5 & 6 A.M.
February	7·8	6·1	1·7	1 ,,	10 ,,
March	7·8	7·3	0·5	3 ,,	10 & 11 ,,
April	9·1	8·6	0·5	Uncertain.	5 P.M.
May	9.8	9·3	0.5	7 & 8 P.M.	Noon.
June	10·4	9·8	0·6	11 A.M. and Noon.	Uncertain.
July	10·1	9·5	0·6	Uncertain.	7 & 8 P.M.
August	9·9	9·5	0·4	8 A.M.	Uncertain.
September	9·5	8.9	0·6	Uncertain.	,,
October	9·3	8·8	0·5	4 & 5 A.M.	11 A.M. and Noon.
November	8·1	6·5	1·6	8 P.M.	Noon.
December	7·4	6·0	1·4	8 ,,	6 A.M.

VAPOUR REQUIRED FOR COMPLETE SATURATION OF AIR.

TABLE LXXVI.—*Showing, for each Month, the Mean Weight, in Grains, of Vapour required for complete Saturation of a Cubic Foot of Common Air; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Weight of Vapour required for Complete Saturation.	Difference from the Mean of the Year.	For Seasons.
	grs.	grs.	
January	3·1	0·8	Mean of {Jan., Feb., March, Oct., Nov., Dec.} or Winter ..... grs. 2·6
February	2·8	0·5	
March	2·6	0·3	
April	2·9	0.6	Mean of {April, May, June, July, Aug., Sept.} or Summer ..... 2·0
May	3·1	0·8	
June	1·8	− 0·5	
July	1·1	− 1·2	Mean of the Year ..... 2·3
August	1·1	− 1·2	
September	1·7	− 0·6	Greatest Monthly Mean in January and May ..... 3·1
October	1·9	− 0·4	Least Monthly Mean in July and August ..... 1·1
November	2·5	0·2	
December	2·6	0·3	Difference 2.0

TABLE LXXVII.—*Mean Weight, in Grains, of Vapour required for complete Saturation of a Cubic Foot of Common Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
Midnight.	2.0	2.2	1.6	1.9	2.0	1.3	0.6	0.6	1.0	1.3	1.6	1.6
1 A.M.	1.8	1.7	1.6	1.9	2.0	1.3	0.6	0.6	1.3	1.0	1.6	1.8
2 „	1.8	1.6	1.3	1.6	1.6	1.3	0.6	0.6	1.3	1.0	1.4	1.8
3 „	2.0	1.6	1.4	1.6	1.6	1.0	0.6	0.6	1.3	1.0	1.6	1.8
4 „	2.0	1.4	1.4	1.3	1.6	1.3	0.6	0.6	1.3	0.6	1.5	1.8
5 „	2.2	1.6	1.4	1.5	1.6	1.0	0.9	0.6	1.0	0.6	1.3	1.8
6 „	2.0	1.4	1.1	1.5	1.6	1.3	0.9	0.6	0.6	0.9	1.3	1.8
7 „	1.8	1.6	1.3	1.9	2.5	2.0	0.9	0.6	1.0	1.0	1.3	1.6
8 „	2.5	2.3	2.2	2.9	3.1	2.1	1.0	0.6	1.3	1.3	1.8	2.0
9 „	3.1	3.3	3.1	3.6	3.9	2.1	1.3	1.3	1.6	1.9	2.4	2.6
10 „	3.1	4.1	3.8	3.7	4.3	2.8	1.4	1.0	2.0	2.3	3.1	3.5
11 „	4.6	4.8	4.2	4.2	4.7	2.5	1.7	1.6	2.3	3.0	4.1	3.8
Noon.	5.2	5.0	4.6	4.6	5.6	2.5	1.7	1.7	2.7	3.7	5.3	4.8
1 P.M.	5.4	5.4	4.9	5.0	5.3	2.9	1.7	1.7	3.3	3.4	5.1	5.0
2 „	5.7	5.1	4.9	6.4	5.3	2.9	1.7	1.7	3.4	3.8	5.1	4.8
3 „	5.0	4.5	4.4	5.0	5.3	2.9	1.4	1.3	3.4	3.4	4.9	4.8
4 „	4.6	4.2	4.2	4.5	4.8	2.1	1.7	1.6	3.1	3.4	4.2	4.2
5 „	4.0	3.7	4.5	3.9	3.6	2.0	1.3	1.6	2.6	2.7	3.1	3.2
6 „	3.1	2.7	3.1	3.0	3.2	1.8	1.3	1.3	2.2	2.2	2.3	2.4
7 „	2.8	2.4	2.5	2.6	2.4	1.3	1.3	0.9	1.9	1.9	2.0	2.1
8 „	2.5	2.1	2.2	2.8	2.4	1.3	1.3	0.9	1.9	1.9	1.8	1.9
9 „	2.4	2.5	2.2	2.2	2.3	1.3	0.9	0.9	1.3	1.6	1.9	1.8
10 „	2.4	2.4	1.9	2.2	2.3	1.3	0.9	0.9	1.3	1.6	1.9	1.5
11 „	2.3	2.2	1.9	2.2	2.3	1.3	0.9	0.6	1.3	1.3	1.6	1.4

TABLE LXXVIII.—*Showing, for the Year* 1861, *the Mean Weight of Vapour required for complete Saturation of a Cubic Foot of Common Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Weight of Vapour required for complete Saturation.	Difference from the Mean of the Year.
	grs.	grs.
Midnight.	1·5	− 0·8
1 A.M.	1·4	− 0·9
2 „	1·3	− 1·0
3 „	1·3	− 1·0
4 „	1·3	− 1·0
5 „	1·3	− 1·0
6 „	1·2	− 1·1
7 „	1·5	− 0·8
8 „	1·9	− 0·4
9 „	2·5	0·2
10 „	2·9	0·6
11 „	3·5	1·2
Noon.	4·0	1·7
1 P.M.	4·1	1·8
2 „	4·2	1·9
3 „	3·9	1·6
4 „	3·5	1·2
5 „	3·0	0·7
6 „	2·4	0·1
7 „	2·0	− 0·3
8 „	1·9	− 0·4
9 „	1·8	− 0·5
10 „	1·7	− 0·6
11 „	1·6	− 0·7

FOR DAY AND NIGHT.

	grs.
Mean of { 6, 7, 8, 9, 10, 11 P.M. / Midnt. 1, 2, 3, 4, 5 A.M. } or Night....	1·6
Mean of { 6, 7, 8, 9, 10, 11 A.M. / Noon. 1, 2, 3, 4, 5 P.M. } or Day	3·0
Mean Annual.....	2·3

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Minimum at 6 A.M.
A Maximum at 2 P.M.

TABLE LXXIX.—*Showing, for the Year* 1861, *the Hours of Bombay Civil Time, at which the Mean Weight of Vapour required for complete Saturation of a Cubic Foot of Common Air, in each Month, was at its Maximum and Minimum.*

Months, 1861.	The Mean Hourly Weight of Vapour required for Saturation.		Mean Diurnal Range.	The Time at which the Mean Hourly Weight of Vapour required for Saturation was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	grs.	grs.	grs.		
January	5·7	1·8	3·9	2 P.M.	7 A.M.
February	5·4	1·4	4·0	1 P.M.	6 „
March	4·9	1·1	3·8	1 & 2 „	6 „
April	6·4	1·3	5·1	2 „	4 „
May.....	5·6	1·6	4·0	Noon.	Uncertain.
June.....	2·9	1·0	1·9	2 P.M.	3 & 5 A.M.
July.....	1·7	0.6	1·1	Uncertain.	Uncertain.
August.....	1·7	0·6	1·1	1 P.M.	„
September	3·4	0·6	2·8	2 & 3 „	6 A.M.
October	3·8	0·6	3·2	2 „	4 & 5 „
November	5·3	1·3	4·0	Noon.	6 „
December.....	5·0	1·4	3·6	1 P.M.	11 P.M.

QUANTITY OF EVAPORATION.

TABLE LXXX.—*Showing, for each Month, the Quantity of Water actually Evaporated in the Air; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Quantity of Water Evaporated.	FOR SEASONS.	
	in.		in.
January	8·737	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter ..	43·767
February	7·448		
March	7·478		
April	8·036	Mean of { Apr., May, June, / July, Aug., Sept. } or Summer ..	33·591
May.....	9·011		
June.....	5·157		
July.....	3·314	Total quantity of water evaporated in the Year.	77·358
August	3·131		
September	4·942	Greatest Monthly evaporation in May.....	9·011
October	5·552	Least Monthly evaporation in August.....	3·131
November	7·057		
December	7·495	Difference..	5·880

TABLE LXXXI.—*Mean Quantity of Water actually Evaporated in the Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight	0.008	0.008	0.007	0·008	0·008	0·005	0.004	0.003	0 004	0.005	0.006	0.006
1 A.M.	.007	.007	.006	.007	.008	.005	.003	.003	.005	.004	.006	.007
2 ,,	.007	.007	.006	.006	.007	.005	.003	.003	.005	.004	.005	.007
3 ,,	.008	.006	.005	.006	.007	.005	.003	.002	.005	.003	.006	.007
4 ,,	.008	.006	.005	.005	.007	.005	.003	.002	.004	.003	.005	.006
5 ,,	.008	.006	.004	.006	.006	.004	.003	.002	.004	.003	.005	.006
6 ,,	.008	.006	·004	.006	.006	.004	.003	.002	.003	.003	.005	.006
7 ,,	.007	.006	.005	.008	.009	.005	.004	.002	.004	.004	.005	.007
8 ,,	.009	.009	.008	·011	·012	.007	.004	.003	.005	.005	.007	.009
9 ,,	.012	.013	.011	.014	.015	.008	.005	.005	.006	.007	.010	.010
10 ,,	.015	.016	.014	.015	.017	.009	.006	.005	.008	.009	.012	.013
11 ,,	.017	.019	.017	.017	.018	.010	.007	.006	.009	.011	.016	.016
Noon.	.020	.020	.017	.019	.021	.011	.007	.006	.010	.014	.021	.019
1 P.M.	.021	.020	.019	.019	.021	.011	.007	.007	.012	.014	.021	.020
2 ,,	.022	.019	.019	.020	.022	.012	.007	.007	.013	.014	.020	.019
3 ,,	.020	.017	.018	.020	.021	.012	.006	.007	.012	.014	.018	.019
4 ,,	.018	.016	.017	.018	.019	·011	.006	.007	.012	.013	.016	.016
5 ,,	.015	.014	.014	.016	.015	.010	.006	.005	.010	.012	.012	.012
6 ,,	.012	.010	.011	·013	.012	·008	.005	.004	·008	.009	.009	.009
7 ,,	.011	.009	.010	.011	.009	.007	.005	.004	.007	.007	.008	.008
8 ,,	.010	.009	.009	.010	.009	.006	.005	.003	.007	.007	.007	.007
9 ,,	.010	.009	.008	.009	.009	.005	.004	.003	.005	.006	.007	.007
10 ,,	.009	.009	.007	.009	.009	.005	.004	.003	.005	.006	.007	.006
11 ,,	.010	.009	.007	.008	.008	.005	.004	.003	.005	.005	.006	.006

TABLE LXXXII.—*Showing, for the Year* 1861, *the Mean Quantity of Water actually Evaporated in the Atmospheric Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Quantity of Water Evaporated.	Differences from the Mean of the Whole.
	in.	in.
Midnight.	0·006	–0·003
1 A.M.	·006	– ·003
2 ,,	·005	– ·004
3 ,,	·005	– ·004
4 ,,	·005	– ·004
5 ,,	·005	– ·004
6 ,,	·005	– ·004
7 ,,	·006	– ·003
8 ,,	·007	– ·002
9 ,,	·010	·001
10 ,,	·012	·003
11 ,,	·014	·005
Noon.	·015	·006
1 P.M.	·016	·007
2 ,,	·016	·007
3 ,,	·015	·006
4 ,,	·014	·005
5 ,,	·012	·003
6 ,,	·009	·000
7 ,,	·008	– ·001
8 ,,	·007	– ·002
9 ,,	·007	– ·002
10 ,,	·007	– ·002
11 ,,	.006	– ·003

FOR DAY AND NIGHT.

	in.
Mean of { 6, 7, 8, 9, 10, 11 P.M. / Midnt. 1, 2, 3, 4, 5, A.M. } or Night..	0·006
Mean of { 6, 7, 8, 9, 10, 11 A.M. / Noon, 1, 2, 3, 4, 5 P.M. } or Day ..	0·012
Mean Annual.....	0·009

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Minimum at 6 A.M.
A Maximum at 2 P.M.

TABLE LXXXIII.—*Showing, for the Year* 1861, *the Hours of Bombay Civil Time, at which the Mean Quantity of Water Evaporated in the Air, in each Month, was at its Maximum and Minimum.*

Months, 1861.	The Mean Hourly Quantity of Water Evaporated in the Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Quantity of Water Evaporated was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	in.	in.	in.	H.	H.
January	0·022	0·007	0·015	2 P.M.	7 A.M.
February	·020	·006	·014	Noon & 1 P.M.	Uncertain.
March	·019	·004	·015	1 & 2 P.M.	5 & 6 A.M.
April	·020	·005	·015	2 & 3 „	4 „
May	·022	·006	·016	2 „	5 & 6 „
June	·012	·004	·008	2 & 3 „	5 & 6 „
July	·007	·003	·004	Uncertain.	Uncertain.
August	·007	·002	·005	„	„
September	·013	·003	·010	2 P.M.	6 A.M.
October	·014	·003	·011	Uncertain.	Uncertain.
November	·021	·005	·016	Noon & 1 P.M.	„
December	·020	·006	·014	1 P.M.	„

WIND.

The Direction of Wind was taken from Osler's Self-Registering Anemometer, which is erected on the Western roof of the Astronomical Observatory; and its force was observed on all ordinary occasions by Lynd's Wind Gauge, or by estimation; but any force exceeding two pounds, such as storms, high gusts, and monsoon breezes, was taken from Osler's Registry.

At Bombay the Wind blows from certain directions, in different seasons of the year; in the rainy season it generally blows from SW or W; but in the dry season it blows alternately from sea and land within every twenty-four hours of a day. The months of May and October are what may be called unsteady or debatable months, as during these months the Wind is unsettled, *i. e.*, the direction in which it may blow is uncertain.

The days in which the Wind quits its usual direction, and blows from points of the compass widely different, are generally indicated by the Barometer being low, cloudly sky, and sometimes by lightning, thunder, and rain in the evening or after sunset. On these days the wind generally takes large sweeps in the course of a day, and such a day is considered as "Abnormal." Sometimes the wind sweeps round the whole horizon, and the mean direction of wind cannot be deduced therefrom; such days are also classed under the head of Abnormal day, but they are properly called circular days. When the wind veers round as N., E., S., W,. the motion is called direct; and when it veers round N., W., S., E,. it is called a retrograde motion.

The following list will show that the Wind seldom veers round by retrogade motion, though after the setting in of the SW monsoon it has a tendency to turn that way.

During the dry season an abrupt change is often observed in the direction of wind in the afternoon; the wind then generally turns from E. to W. by a retrograde motion; but this is considered to be the Normal change for the season, and consequently it is not classed under "Abnormal head."

The following is a list of Abnormal days on which the Wind has taken unusual sweeps in 1861:—

JANUARY	4th.—The wind veered round from NE b N to WSW by direct circular motion of 213 in ¼ hour.				
„	„	„	WNW to NE	„	113 in 2 hours.
„	15th	„	E to W	„	180 in ¼ hour.
„	17th	„	NNW to NW	„	338 in ½ hour.
„	27th	„	ESE to W b N	„	169 in 3½ hours.

MARCH 12th.—The wind blew abnormally in the morning.
„ 13th.—The wind veered round from NE b N to SW b W by direct circular motion of 202 in ½ hour.
„ 15th „ S b E to SW b W „ 427 in 10 hours.
„ 16th.—The wind blew abnormally in the morning.
„ 20th.—The wind veered round from NW to WNW by direct circular motion of 337 instantly.
„ 21st.—The wind blew abormally in the morning.
„ 22nd. „ „
„ 24th.—The wind veered round from WNW to W by direct circular motion of 337 in 4 hours.

APRIL 5th.—The wind blew abnormally on this day.
„ 7th „ „
„ 16th.—The wind veered round from NW b N to W by direct circular motion of 304 in 6 hours.
„ 17th.—The wind blew abnormally on this day.
„ 30th.—The wind veered round from NW to W by direct circular motion of 315 in 5 hours.

MAY.—During this month there were easterly breezes for the first six days, but on all the other days the wind was either W or SW.

JUNE	3rd.—The wind veered round from NW to S by direct circular motion of 225 in 2 hours.				
„	14th	„	S to N	„	180 in 1 hour.
„	14th	„	S to NW	„	495 in 7 hours.
„	28th	„	S to NE	„	225 in 4 hours.
„	29th	„	NE to W	„	225 in 2 hours.

JULY.—Regular monsoon wind blew throughout the whole of this month.

AUGUST 13th.—The direction of wind was unsteady, shifting between N and S round by W.
„ 14th „ „ „
„ 16th „ „ „
„ 17th „ „ „
„ 18th „ „ „

SEPTEMBER.—Monsoon wind for the first half of the month, and land and sea breezes in the second half of the month. The wind took no extraordinary sweeps during this month.

OCTOBER 5th.—The wind veered round from NNW to NNW by direct circular motion of 360 in 2 hours. Monsoon wind blew about the middle of this month.

NOVEMBER.—The wind did not take any unusual sweeps during this month, but blew regularly in land and sea breezes.

DECEMBER.— „ „ „ „ „

The excess of the direct circular motion over the retrograde was, in each month of the year 1861, as follows:—

January .. + 1 round 337 degrees.	May..... — 0 round 167 degrees.	September.. + 0 round 45 degrees.
February .. — 0 round 11 degrees.	June..... + 3 rounds 101 degrees.	October ... + 1 round 22 degrees.
March .... + 4 rounds 11 degrees.	July..... — 0 round 34 degrees.	November.. + 0 round 0 degrees.
April .... + 2 rounds only.	August.... + 0 round 34 degrees.	December.. — 0 round 11 degrees.

Total excess of direct over the retrograde motion was about 11 rounds and 327 degrees.

The Record of the Force of Wind when the Pressure was above one Pound.

JANUARY 12th, 23rd, 28th, and 29th.—Fresh breezes of wind from NW; the force of which was between 1 and 2 lbs.

„ 2nd, 7th, 10th, 17th, 18th, 19th, and 24th.—Light breezes of wind in the evening; the force of which was about 1 lb.

FEBRUARY 5th, 7th, 8th, 9th, 11th, 12th, 13th, 14th, 15th, 18th, 19th, 24th, 26th, and 28th.—Fresh breezes in the evening from NW; the force of which was about 1 or 2 pounds.

MARCH 4th, 5th, 6th, 8th, 11th, 12th, and 19th.—Fresh breezes of wind from NW; the force of which was about 1½ pound.

„ 7th, 18th, 21st, and 28th.—Light breezes of wind from NW in the evening; the maximum force of which was about 1 lb.

APRIL 2nd, 3rd, 8th, 9th, 10th, 11th, 12th, 13th, 15th, 18th, 19th, 20th, 23rd, 25th, 26th, and 27th.—Fresh breezes of wind from NW in the evening; the force of which was about 1 or 2 lbs.

MAY 2nd, 3rd, 16th, and 20th.—Fresh breezes from W; the force of which was 1 or 1½ lb.

JUNE 2nd, and 30th.—High gales of wind from W; the force of which was generally 3 or 4 pounds, but the maximum force was 9 lbs.

„ 7th.—Squally wind from W in the afternoon; the force of which was 5½ lbs.

„ 3rd, and 29th.—Occasional squall from NW or W; the force of which was about 2 or 3 lbs.

„ 14th, 20th, and 23rd.—Occasional squall from SE or SW; the force of which was about 2 or 3 lbs.

„ 1st, 13th, and 18th.—Light breezes from SW; the force of which was about 1 or 2 lbs.

JULY 1st, 2nd, 3rd, 15th, 16th, 17th, 20th, 21st, 22nd, 23rd, and 24th.—Monsoon gale from SW or W; the force of wind was generally 1 or 2 lbs., but in some instances it had risen to 6 lbs.

„ 18th, and 19th.—Squally wind from WSW; the force of which was 1 lb., but in some instances it was about 4 lbs.

„ 8th.—Light breezes of wind from W; the force of which was about 1 lb.

AUGUST 14th, 15th, 16th, 18th, 20th, 21st, 22nd, 24th, 25th, and 26th.—Fresh breezes of wind from W; the force of which was about 1 or 2 lbs.

„ 23rd.—Wind from WSW or W; the force of which was about 1 lb.

SEPTEMBER 4th, 5th, 6th, 7th, 10th, and 27th.—Fresh breezes of wind from W; the force of which was about 1 or 2 lbs.

OCTOBER 7th, 8th, 14th, 15th, 16th, 21st, 24th, and 31st.—Light breezes of wind; the force of which was about 1 lb. on a square foot of space.

„ 23rd.—ENE wind at 5½ h. P.M.; the force of which was 4 lbs.

NOVEMBER 7th.—Fresh breezes of wind from NW. at about midnight; the force of which was about 1½ lb.

DECEMBER 9th, 10th, 11th, 12th, 16th, 19th, 21st, and 24th.—Fresh breezes of wind from NW; the pressure of which was about 1 lb.

In the following Tables the Cardinal directions were calculated by the following formulæ;—

N = N + N b E + N b W + ½ NNE + ½ NNW.
NE = NE + NE b E + NE b N + ½ ENE + ½ NNE.
E = E + E b S + E b N + ½ ENE + ½ ESE.
SE = SE + SE b S + SE b E + ½ ESE + ½ SSE.
S = S + S b E + S b W + ½ SSE + ½ SSW.
SW = SW + SW b S + SW b W + ½ SSW + ½ WSW.
W = W + W b S + W b N + ½ WSW + WNW.
NW = NW + NW b W + NW b N + ½ WNW + NNW.

TABLE LXXXIV.—*Showing the Sums of the Pressures of the Wind for different Directions, in each Month, without Distinction of Hours, and the number of Hours during which it blew with a recorded force greater than 0·1 lb. on a square foot: and the General Range of Hours during which the Wind blew in each Direction; thirty-two Directions were reduced to Eight Points by the rule heretofore adopted.*

1861.

Months, 1861.	N.			NE.			E.			SE.		
	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.
	lbs.	H.		lbs.	H.		lbs.	H.		lbs.	H.	
January..	51·85	174·5	At all hours	22·20	81·5	At all hours except from 3 to 10 P.M.	6·10	17·0	From 4 to 10 A.M.	0·25	2·0	A single instance .....
February.	45·35	157·5	At all hours	2·10	13·5	Only three instances of NE.	..	..	.....	..	..	.....
March ..	20·60	64·0	At all hours except from 1 to 8 P.M.	7·65	36·5	A few instances.....	2·65	9·0	A few instances.....	2·30	9·0	A few instances.....
April	9·95	47·0	From midnight to 10 A.M.	0·95	8·0	Three instances of NE	0·25	2·0	None of true E.....	0·50	2·0	None of true SE .....
May	5·25	19·5	From 1 A.M to 9 A.M	0·05	0·5	None of true NE	..	..	.....	2·25	8·5	From 4 to 10 A.M.....
June	0·40	2·0	A solitary instance	1·20	3·5	Only two instances	0·50	2·5	A single instance of E	20·80	41·5	From 4 A.M. to 11 A.M....
July	..	..	.....	..	..	.....	..	..	.....	2·20	5·5	A few instances.....
August ..	2·60	8 5	A single instance of true N.	..	..	.....	..	..	.....	..	..	.....
September.	22·50	89·0	Occasionally	6·80	23·0	From 7 A.M. to Noon	1·70	6·5	Only two instances	1·65	4·0	None of true SE .....
October ..	28·15	72·5	At all hours except from 9 to 11 P.M.	18·25	44·5	Occasionally	6·75	21.0	Three instances of E.....	3·25	17·5	From midnight to Noon ..
November.	59·90	214.0	At all hours.....	7·55	28·0	From 6 A.M. to 4 P.M.....	1·55	5·0	Only three instances.....	..	..	.....
December.	47·95	158·5	At all hours except from 1 to 4 P.M.	32·00	99·5	From 4 A.M. to 4 P.M., and 7 A.M. to 11 P.M.....	5·05	14·0	Only two instances of true E.	..	..	.....
Sums	294.50	1007·0		98·75	338·5		24·55	77·0		33·20	90·0	

TABLE LXXXIV—(*continued*).

Months, 1861.	S.			SW.			W.			NW.		
	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.
	lbs.	H.		lbs.	H.		lbs.	H.		lbs.	H.	
January..	..	..	.....	1·00	5·0	Only two instances of true SW.	5·70	18·5	From 1 to 6 P.M.....	133·00	215·5	From 10 A.M. to 11 P.M.
February.	..	..	.....	0·35	2·5	None of true SW	4·05	16.0	From 11 A.M. to 5 P.M....	135·25	248·5	At all hours except 6 and 8 A.M.
March ..	2·90	10·5	Only three instances.....	4·85	16·0	A few instances.....	17·45	51·0	From Noon to midnight ..	123·75	221·0	At all hours except 6 A.M.
April ...	6·90	24·5	Occasionally	5·10	20·0	Occasionally	32·95	85·0	From 7 A.M. to 8 P.M....	171·90	314·5	At all hours.
May	45·30	91·0	At all hours except from 1 to 6 P.M.	54·80	184·0	At all hours	42·20	146·0	At all hours	36·85	92·5	At all hours except from 1 to 6 P.M.
June	53·60	105·5	At all hours	82·40	224·5	At all hours	56·20	145·5	At all hours except 2, 6, & 7 A.M.	15·50	26·0	Occasionally.
July	20·10	42·0	At all hours except 3 A.M.	257·70	320·5	At all hours	163·75	239·5	At all hours	11·75	11·5	A few instances.
August ..	3·35	5·0	Only three instances.....	85·85	176·5	At all hours	114·15	232·5	At all hours	86·55	193·5	At all hours.
September.	5·00	13·5	Three instances of true S...	40·75	87·0	Occasionally	67·00	141·5	At all hours	52·60	161·5	At all hours.
October ..	10·20	19·0	From 4 A.M. to 4 P.M.....	17·05	56·5	At all hours except 10 P.M.	5·80	24·5	A few instances.....	98·05	252·5	At all hours.
November.	..	..	.....	..	..	.....	1·90	10·5	From 5 A.M to Noon.....	61·20	222·5	At all hours.
December.	..	..	.....	..	..	.....	30·70	52·0	From 11 A.M. to 8 P.M. ..	122·90	215·0	At all hours except 8 and 9 A.M.
Sums	147·35	311·0		549·85	1092·5		541·85	1162·5		1044·20	2174·5	

TABLE LXXXV.—*Showing the Sums of the Pressures and Hours of Duration of each Wind during the Year* 1861, *for each Hour of Bombay Civil Time.*

Bombay Civil Time.	N.		NE.		E.		SE.		S.		SW.		W.		NW.	
	Sums of Pressures.	Number of Hours.	Sums of Pressures.	Number of Hours.	Sums of Pressures.	Number of Hours.	Sums of Pressures.	Number of Hours.	Sums of Pressures.	Number of Hours.	Sums of Pressures.	Number of Hours.	Sums of Pressures.	Number of Hours.	Sums of Pressures.	Number of Hours.
	lbs.	H.	lbs.	H.	lbs.	H.	lbs.	H.	lbs.	H.	lbs.	H.	lbs.	H.	lbs.	H.
Midnight.	10.85	36.0	2.50	7.5	0.60	2.0	0.45	2.0	7.95	13.0	25.55	45.0	22.45	36.5	23.65	65.0
1 A.M.	11·70	42.0	2.25	7.0	0.30	1.5	1.55	2.5	7.60	14.0	32.80	44.0	21.30	36.0	24 90	56.0
2 „	10·65	42.0	2.80	8.5	0.55	2.0	1.35	2.5	6.05	11.0	29.55	47.0	17.60	31.0	19.05	52.0
3 „	11.60	45.0	2.85	9.5	1.45	4.5	1.55	2.5	7.65	9.0	35.75	45.5	20.20	35.0	18.05	57.0
4 „	12.15	50.0	4.70	13.5	1.45	4.0	2.60	5.0	7 60	12.0	27.85	40.5	18.75	32.0	19.80	61.0
5 „	12.35	49.5	4.10	15.0	1.25	6.0	2.50	5.5	5.65	13.0	20.95	40.5	19.55	35.5	13.95	48.0
6 „	11.45	58.0	5.15	22.5	2.30	5.0	3.20	7.5	7.45	18.0	16.55	36.5	13.60	32.0	11.80	43.5
7 „	13.25	63.0	5.50	24.5	2.55	6.0	2.85	9.0	7.35	19.0	16.25	33·0	13.60	37.0	11.45	50.5
8 „	17.65	77.0	8.55	35.0	2.05	6.0	3.70	11.0	7.20	18.0	13 20	35.0	15.05	40.0	13.45	49.5
9 „	16.70	69.0	12.35	44.0	1.75	6.5	3.85	11.5	8.05	19.0	16.80	40.5	15.60	39.0	12.40	53.5
10 „	16.40	62.5	10.80	39.0	2.45	9.0	3.30	9 5	9.35	21.0	17.65	40.5	18.95	44.5	17.20	64·0
11 „	13.55	51.0	7.60	27.5	1.50	6.0	2.10	7.5	9.70	22.0	19.00	47.0	21.35	53.5	25.85	74.5
Noon.	12.35	45.0	5.40	21.5	1.00	4.0	0.55	2.5	8.95	21.0	24.40	50.0	26.85	63.5	36.65	84.5
1 P.M.	7.65	30.5	3.60	14.5	0.45	3.5	0.20	0.5	8.40	16.5	28.25	51.5	29.15	68.5	63.65	115.5
2 „	8.45	22.5	1.25	8.0	0.10	1.0	0.25	0.5	6.00	10.5	29.90	55.5	35.95	75.5	81.50	125.0
3 „	10.00	23.5	1.05	5.5	0.30	1.5			3.20	6.0	26.40	54·0	41.35	81.0	90.70	131.5
4 „	10.95	22.0	0.85	3.5	0.05	0.5			2.95	6.5	23.25	53.5	41.10	78.5	99.25	139.5
5 „	11.10	24.0	0.60	2.0	0.10	0·5			2.05	5.5	21.60	53.5	27.10	71.0	91.65	146.5
6 „	12.60	23·0	9.10	3.5	1.70	1.5			2.55	6.5	16.25	51.5	25.35	61.0	91.30	149·0
7 „	13.65	26.0	1·20	4·0	1.40	2.0			4.60	10·5	21.90	47.5	20·55	50.5	86.20	147.5
8 „	16.65	30.5	1·15	5.0	0.40	1.0	0.90	2.5	4.05	10·5	20.30	43.5	23.50	49.0	70.65	138.0
9 „	11.70	35.5	1.45	5·5	0.25	0.5	1.15	3.5	5·05	9·5	22.45	46.5	17·80	39.5	47.15	123.5
10 „	10.20	37.5	1.90	5·5	0.20	0.5	0.60	2·5	3·70	10.5	19·65	44.5	19.35	37.5	40.70	104.5
11 „	10.90	42.0	2·05	6·5	0.40	2.0	0·55	2.0	3·25	8.5	23.60	46.0	15.80	35.0	33.35	95.0

TABLE LXXXVI.—*Showing the Mean Pressure of each Wind, at each Hour of Bombay Civil Time, as obtained by dividing the Pressure of Wind in Table LXXXV by the Hours of Duration.*

Bombay Civil Time.	Direction of Wind in 1861.							
	N.	NE.	E.	SE.	S.	SW.	W.	NW.
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
Midnight.	0.30	0 33	0.30	0 22	0.61	0.57	0.61	0.36
1 A.M.	.27	.32	.20	.62	.54	.75	.60	.44
2 „	.25	.33	.22	.54	.55	.63	.57	.36
3 „	.26	.30	.32	.62	.85	.79	.58	.32
4 „	.24	.35	.36	.52	.63	.68	.59	.32
5 „	.25	.27	.21	.47	.43	.51	.55	.29
6 „	.20	.23	.46	.43	.41	.45	.42	.27
7 „	.21	.22	.42	.32	.38	.49	.37	.22
8 „	.23	.24	.34	.34	.40	.38	.37	.27
9 „	.24	.28	.27	.34	.42	.41	.40	.23
10 „	.26	.28	.27	.35	.44	.41	.42	.27
11 „	.26	.28	.25	.28	.44	.40	.40	.35
Noon.	.27	.25	.25	.22	.47	.49	.42	.43
1 P.M.	.25	.25	.13	.40	.51	.55	.42	.55
2 „	.37	.15	.10	.50	.56	.54	.47	.65
3 „	.42	.20	.20		.53	.49	.51	.69
4 „	.50	.24	.10		.45	.43	.52	.71
5 „	.46	.30	.20		.37	.40	.38	.62
6 „	.55	2.60	1.13		.40	.31	.41	.61
7 „	.52	0.30	0.70		.44	.46	.40	.60
8 „	.54	.23	.40	0.36	.38	.47	.48	.51
9 „	.33	.26	.50	.32	.53	.48	.45	.38
10 „	.27	.34	.40	.24	.35	.44	.51	.39
11 „	.26	.31	.20	.27	.38	.51	.45	.36

TABLE LXXXVII.—*Showing the Mean Force of each Wind resolved into the Compound Cardinal Directions by the usual rules of Mechanics.*

Direction of Wind.	Mean Force of each Wind.	Resolved Force in the Direction of				Mean Force due to each Cardinal Direction.
		N.	E.	S.	W.	
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
N.	0·2924	0·2924				0·8381
NE.	·2917	·2062	0·2062			
E.	·3189		·3189			·7859
SE.	·3689		·2608	0·2608		
S.	·4738			·4738		1·0904
SW.	·5033			·3558	0·3558	
W.	·4661				·4661	1·1614
NW.	·4802	·3395			·3395	

The Greatest Mean Force of wind was recorded under SW Wind; next in order was NW; and the third in order were W., and S.

The angle between the resultant and the meridian was equal to 62°55′3″ being about 0°14′44″ less than the Mean of the last eight years.

Assuming the sum of hours of duration equal to unity, we have the relative prevalence of WNW Wind over all the others in the ratio $\frac{m}{100}$, being about 0·14 higher than the Mean of the last seven years.

TABLE LXXXVIII.—*Mean Azimuth of Wind reduced from the Registry of Osler's Anemometer, for each day of Bombay Civil Time.*

Date, 1861.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	12°	-37°	- 44°	- 45°	-37°	-194°	- 85°	-119°	- 81°	- 45°	1°	-6°
2	32	-25	- 42	- 62	-40	-183	-115	-116	- 61	- 45	13	8
3	30	-32	- 76	- 40	-99	⊙	-104	- 86	- 78	- 41	26	44
4	⊙	-26	- 16	- 76	- 78	-118	-106	- 42	- 98	- 35	- 1	31
5	6	-40	- 22	- 85	-111	-112	- 83	- 39	-111	⊙	21	13
6	- 5	-35	- 25	- 36	-118	-122	- 84	- 46	-114	-120	-12	21
7	-26	-10	- 28	- 50	- 97	-130	- 98	- 38	- 93	-157	-25	-10
8	0	-11	- 39	- 31	-136	-131	- 90	- 44	- 84	-178	-10	-21
9	4	-15	- 39	- 34	-133	-109	- 90	- 45	-112	-140	-12	-34
10	-20	-19	- 23	- 38	-100	-104	-147	- 56	-128	-119	-25	-57
11	-10	-30	- 14	- 33	- 71	-118	-165	- 46	-149	-117	-23	-39
12	-16	-25	11	- 39	- 55	-136	-148	- 45	-142	- 85	-28	-47
13	-26	-30	⊙	- 42	- 70	-142	-134	- 91	-109	- 26	-34	-32
14	14	-41	-170	- 45	- 76	⊙	-123	- 95	- 92	- 34	-38	-18
15	⊙	-22	⊙	- 50	- 81	- 93	-122	- 74	- 63	5	-42	-44
16	2	-25	- 22	⊙	- 65	-115	-120	-104	- 68	41	-39	-34
17	-23	-30	- 43	-124	- 75	-161	-133	- 82	- 24	- 25	-42	-33
18	-31	-19	- 17	- 36	-101	-169	-142	- 78	- 14	- 43	-38	-29
19	-23	- 5	- 1	- 20	-157	-146	-143	- 63	- 25	- 45	-29	-13
20	-17	-20	- 38	- 45	-162	-148	-138	- 88	- 5	- 49	- 4	-21
21	-14	-18	- 77	- 49	-158	-162	-123	-112	- 11	- 33	- 4	-23
22	-38	-30	-121	- 51	-146	-128	-112	-112	- 16	32	6	-21
23	- 9	-37	- 29	- 50	-143	-150	-110	-111	- 23	44	7	-16
24	- 5	-30	⊙	- 43	-146	-162	-119	-127	- 31	52	4	-16
25	5	-35	- 34	- 40	-144	- 82	-120	-154	- 35	23	-22	- 3
26	-65	-19	- 32	- 46	-161	-129	-120	-122	6	- 24	-71	- 6
27	⊙	-45	- 39	- 85	-160	-118	-127	-114	- 26°	- 5	-21	-17
28	-13	-42	- 49	-127	-137	-108	-132	-113	- 2	28	-10	- 7
29	-26		- 39	-115	-149	⊙	-125	-102	- 8	- 27	-19	-12
30	-26		- 75	⊙	-149	- 72	-107	-102	- 22	- 25	-28	-21
31	-19		- 69		-182		-124	-92		- 29		-21

TABLE LXXXIX.—*Showing, for each Month, the Mean Azimuth of Wind; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Azimuth of Wind.	Difference from the Mean of the Year.	FOR SEASONS.
	°	°	
January	11	- 49	Mean of {Jan., Feb., March, / Oct., Nov., Dec.} or Winter..... 26
February	- 27	33	
March	- 43	17	
April	- 55	5	Mean of {April, May, June, / July, Aug., Sept.} or Summer 94
May	- 114	- 54	
June.....	- 131	- 71	Mean of the Year..... 60
July	- 119	- 59	
August.....	- 86	- 26	
September	- 61	- 1	Greatest Monthly Mean in June 131
October	- 41	19	Least Monthly Mean in January 11
November	- 17	43	
December.....	- 16	44	Difference..... 120

TABLE XC.—*Mean Azimuth of Wind, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	°	°	°	°	°	°	°	°	°	°	°	°
Midnight.	8	- 26	- 51	- 49	- 113	- 134	- 122	- 86	- 63	- 35	- 22	- 15
1 A.M.	0	- 27	- 47	- 48	- 113	- 136	- 123	- 88	- 63	- 35	- 21	- 13
2 „	4	- 26	- 45	- 47	- 110	- 142	- 121	- 86	- 65	- 35	- 20	- 11
3 „	5	- 22	- 42	- 46	- 111	- 139	- 119	- 86	- 64	- 35	- 19	- 4
4 „	5	- 22	- 35	- 37	- 111	- 144	- 115	- 87	- 65	- 40	- 18	0
5 „	8	- 15	- 23	- 37	- 111	- 144	- 115	- 87	- 66	- 42	- 17	2
6 „	11	- 15	- 20	- 41	- 109	- 146	- 119	- 86	- 59	- 42	- 14	2
7 „	14	- 13	- 17	- 46	- 109	- 154	- 119	- 79	- 59	- 40	- 12	8
8 „	19	- 5	- 12	- 52	- 104	- 157	- 120	- 83	- 56	- 40	- 8	13
9 „	23	3	- 11	- 62	- 107	- 156	- 116	- 83	- 55	- 38	- 5	19
10 „	22	0	- 28	- 69	- 117	- 146	- 120	- 83	- 52	- 39	- 3	21
11 „	22	- 15	- 43	- 80	- 121	- 129	- 126	- 83	- 54	- 39	- 2	17
Noon.	8	- 32	- 61	- 79	- 118	- 133	- 123	- 86	- 54	- 39	- 3	- 3
1 P.M.	- 22	- 41	- 55	- 76	- 117	- 118	- 120	- 87	- 61	- 43	- 5	- 37
2 „	- 45	- 47	- 62	- 71	- 116	- 113	- 118	- 86	- 60	- 49	- 11	- 43
3 „	- 48	- 46	- 56	- 66	- 115	- 115	- 115	- 87	- 65	- 56	- 16	- 45
4 „	- 48	- 47	- 57	- 61	- 112	- 115	- 114	- 86	- 64	- 57	- 22	- 45
5 „	- 46	- 45	- 55	- 60	- 112	- 106	- 116	- 88	- 63	- 53	- 24	- 45
6 „	- 44	- 43	- 51	- 57	- 117	- 115	- 116	- 88	- 61	- 45	- 26	- 42
7 „	- 41	- 38	- 52	- 57	- 116	- 117	- 118	- 87	- 61	- 41	- 27	- 39
8 „	- 35	- 34	- 52	- 53	- 118	- 119	- 118	- 85	- 61	- 35	- 26	- 37
9 „	- 28	- 32	- 48	- 51	- 116	- 122	- 120	- 86	- 61	- 35	- 27	- 29
10 „	- 22	- 30	- 49	- 52	- 115	- 125	- 118	- 86	- 62	- 36	- 27	- 27
11 „	- 15	- 26	- 45	- 46	- 115	- 124	- 121	- 85	- 60	- 36	- 23	- 23

TABLE XCI.—*Excess of the Mean Hourly Azimuth of Wind above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	°	°	°	°	°	°	°	°	°	°	°	°
Midnight.	3	1	- 8	6	1	- 3	- 3	0	- 2	6	- 5	1
1 A.M.	11	0	- 4	7	1	- 5	- 4	- 2	- 2	6	- 4	3
2 „	15	1	- 2	8	4	- 11	- 2	0	- 4	6	- 3	5
3 „	16	5	1	9	3	- 8	0	0	- 3	6	- 2	12
4 „	16	5	8	18	3	- 13	4	- 1	- 4	1	- 1	16
5 „	19	12	20	18	3	- 13	4	- 1	- 5	- 1	0	18
6 „	22	12	23	14	5	- 15	0	0	2	- 1	3	18
7 „	25	14	26	9	5	- 23	0	7	2	1	5	24
8 „	30	22	31	3	10	- 26	- 1	3	5	1	9	29
9 „	34	30	32	- 7	7	- 25	3	3	6	3	12	35
10 „	33	27	15	- 14	- 3	- 15	- 1	3	9	2	14	37
11 „	33	12	0	- 25	- 7	2	- 7	3	7	2	15	33
Noon.	19	- 5	- 18	- 24	- 4	- 2	- 4	0	7	2	14	13
1 P.M.	- 11	- 14	- 12	- 21	- 3	13	- 1	- 1	0	- 2	12	- 21
2 „	- 34	- 20	- 19	- 16	- 2	18	1	0	1	- 8	6	- 27
3 „	- 37	- 19	- 13	- 11	- 1	16	4	- 1	- 4	- 15	1	- 29
4 „	- 37	- 20	- 14	- 6	2	16	5	0	- 3	- 16	- 5	- 29
5 „	- 35	- 18	- 12	- 5	2	25	3	- 2	- 2	- 12	- 7	- 29
6 „	- 33	- 16	- 8	- 2	- 3	16	3	- 2	0	- 4	- 9	- 26
7 „	- 30	- 11	- 9	- 2	- 2	14	1	- 1	0	0	- 10	- 23
8 „	- 24	- 7	- 9	2	- 4	12	1	1	0	6	- 9	- 21
9 „	- 17	- 5	- 5	4	- 2	9	- 1	0	0	6	- 10	- 13
10 „	- 11	- 3	- 6	3	- 1	6	1	0	- 1	5	- 10	- 11
11 „	- 4	- 1	- 2	9	- 1	7	2	1	1	5	- 6	- 7

TABLE XCII.—*Showing, for the Year* 1861, *the Mean Azimuth of Wind, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Azimuth of Wind.		Annual Mean.	FOR DAY AND NIGHT.
	Winter.	Summer.		
	°	°	°	
Midnight.	- 26	- 94	- 60	
1 A.M.	- 24	- 95	- 60	
2 „	- 22	- 95	- 59	
3 „	- 20	- 94	- 57	
4 „	- 18	- 93	- 56	
5 „	- 14	- 93	- 53	Mean of { 6, 7, 8, 9, 10, 11 P.M. / Midnt. 1, 2, 3, 4, 5 A.M. } or Night.... 61.
6 „	- 13	- 93	- 53	
7 „	- 10	- 94	- 52	
8 „	- 6	- 95	- 50	Mean of { 6, 7, 8, 9, 10, 11 A.M. / Noon. 1, 2, 3, 4, 5 P.M. } or Day..... 59.
9 „	- 2	- 96	- 49	
10 „	- 4	- 98	- 51	Mean Annual..... 60.
11 „	- 10	- 99	- 55	
Noon.	- 22	- 99	- 60	
1 P.M.	- 34	- 97	- 65	
2 „	- 43	- 94	- 69	TIMES OF MEAN MAXIMUM AND MINIMUM.
3 „	- 44	- 94	- 69	
4 „	- 46	- 92	- 69	Most Westerly at about 11 A.M. and Noon.
5 „	- 45	- 91	- 68	Least Westerly at 5 P.M.
6 „	- 42	- 92	- 67	
7 „	- 40	- 93	- 66	
8 „	- 36	- 92	- 64	
9 „	- 33	- 93	- 63	
10 „	- 32	- 93	- 62	
11 „	- 28	- 92	- 60	

TABLE XCIII.—*Showing, for the Year* 1861, *the Hours of Bombay Civil Time, at which the Mean Azimuth of Wind, in each Month, was at its Maximum and Minimum.*

Months, 1861.	The Mean Hourly Azimuth of Wind.		Mean Diurnal Range.	The Time at which the Mean Hourly Azimuth of Wind was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	°	°	°	H.	H.
January	- 48	- 23	-71	3 and 4 P.M.	9 A.M.
February	- 47	3	-50	2 and 4 ,,	9 ,,
March	- 62	- 11	-51	2 ,,	9 ,,
April	- 80	- 37	-43	11 A.M.	1 and 5 A.M.
May	-121	-104	-17	11 ,,	8 ,,
June	-157	-106	-51	8 ,,	5 P.M.
July	-126	-114	-12	11 ,,	4 ,,
August	- 88	- 79	- 9	5 and 6 P.M.	7 A.M.
September	- 65	- 52	-13	3 ,,	10 ,,
October	- 57	- 35	-22	4 ,,	Uncertain.
November	- 27	- 2	-25	7 ,,	11 A.M.
December	- 45	21	-66	4 ,,	10 ,,

TABLE XCIV.—*Mean Force of the Wind, without regard to the Direction in which it blew, for each Day of Bombay Civil Time.*

Date, 1861.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
1		0.12	0.26	0·34	0.55	0.78	1.42	0.28		0.33	0.26	
2	0.31	.12	.21	.39	.55		2·26	.17	0.25	.26		0.40
3	.31			.54	.26	1.35	0.83	.25	.33	.41		.44
4	.15	.31	.65	.13	.13	0.30	.38		.89	.19	.15	.40
5	.23	.49	.68	.12		.30	.38	.44	.94	.16	.29	.20
6		.30	.55	.24	.11	.31	.46	.47	.60		.25	.23
7	.24	.46	.35		.11	.60		.45	.50	.45	.36	.35
8	.33	.58	.44	.35	.13	.23	.41	.48		.38	.15	
9	.28	.66		.50	.17		.13	.41	.30	.10	.16	.61
10	.41			.54	.27	.26	.22	.29	.22	.22		.73
11	.29	.35	.50	.70	.25	.32	.28		.30	.14	.21	.77
12	.71	.65	.42	.56		.42	.33	.29	.26	.22	.17	.44
13		.60	.23	.63	.25	.43	.24	.43	.17		.20	.32
14	.17	.34	.13		.43	.65		.58	.20	.45	.13	.28
15	.32	.35	.14	.33	.15	.32	1.38	.49		.39	.18	
16	.29	.16	.21	.19	.42		0.98	.49	.20	.44	.20	.37
17	.39			.21	.35	.45	.79	.29	.19	.32		.43
18	.48	.33	.44	.33	.18	.56	.90		.20	.27	.24	.31
19	.58	.23	.50	.36		.30	.99		.21	.26	.23	.55
20		.18	.24	.52	.72	.30	1.17	.88	.19		.27	.38
21	.37	.20	.21		.55	.28		.61	.18	.39	.24	.48
22	.38	.22	.18	.30	.53	.27	0.98	.79		.35	.18	
23	.50	.13	.24	.40	.30		1.34	1.12	.15	.31	.25	.30
24	.42	.38		.43		.24	0.98	0.64	.13	.29		.41
25	.35		.25	.50	.30	.13	.47		.33	.19	.17	
26	.08	.34	.40	.36		.20	.40	.45	.40	.15	.15	.19
27		.09		.23	.42	.15	.25	.37	.40		.17	.26
28	.63	.25	.34		.15	.16		.26	.38	.21	.24	.29
29	.62			.21	.16	.55	.38	.32		.17	.20	
30	.26		.10	.23	.21		.32	.46	.34	.27	.26	.36
31	.18				.33		.39	.41		.34		.28

TABLE XCV.—*Showing, for each Month, the Mean Force of the Wind; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Force of the Wind.	Difference from the Mean of the Year.	FOR SEASONS.
	lbs.	lbs.	lbs
January	0·36	−0·01	Mean of {Jan., Feb., March, Oct., Nov., Dec.} or Winter ..... 0·73
February	·33	− ·04	
March	·33	− ·04	
April	·37	·00	Mean of {Apr., May, June, July, Aug., Sept.} or Summer..... 0·43
May	·31	− ·06	
June	·39	·02	
July	·71	·34	Mean of the Year.. 0·37
August	·47	·10	
September	·33	− ·04	Greatest Monthly Mean in July..... 0·71
October	·28	− ·09	Least Monthly Mean in November..... 0·22
November	·22	− ·15	
December.....	·40	·03	Difference..... 0·49

TABLE XCVI.—*Mean Force of Wind, without regard to the Direction in which it blew, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
Midnight.	0.12	0.09	0.27	0.19	0.30	0.57	0.69	0.56	0.41	0.14	0.06	0.27
1 A.M.	.18	.07	.23	.23	.24	.80	.93	.57	.35	.19	.06	.16
2 „	.22	.10	.11	.17	.21	.50	.86	.50	.32	.21	.08	.14
3 „	.23	.08	.15	.15	.26	.54	1.03	.48	.34	.29	.10	.14
4 „	.30	.07	.15	.15	.23	.44	0.87	.58	.28	.29	.12	.17
5 „	.25	.08	.07	.08	.14	.34	.76	.52	.24	.22	.23	.17
6 „	.17	.09	.11	.08	.16	.29	.66	.40	.24	.18	.19	.21
7 „	.21	.09	.09	.12	.19	.32	.59	.42	.19	.20	.22	.24
8 „	.24	.11	.10	.14	.22	.30	.58	.42	.20	.19	.29	.31
9 „	.19	.16	.23	.14	.26	.37	.50	.46	.36	.18	.20	.40
10 „	.18	.20	.30	.21	.32	.40	.55	.52	.47	.15	.17	.39
11 „	.19	.32	.34	.29	.36	.36	.54	.45	.43	.17	.13	.39
Noon.	.23	.43	.44	.38	.41	.37	.67	.43	.49	.20	.16	.43
1 P.M.	.48	.55	.55	.60	.36	.63	.66	.42	.38	.40	.19	.43
2 „	.60	.66	.72	.75	.39	.46	.79	.39	.35	.51	.18	.56
3 „	.73	.73	.71	.87	.43	.46	.59	.41	.46	.58	.29	.64
4 „	.76	.75	.61	.82	.42	.36	.88	.41	.39	.58	.35	.59
5 „	.61	.76	.59	.69	.35	.22	.66	.50	.32	.37	.38	.59
6 „	.62	.65	.52	.59	.28	.19	.63	.52	.29	.76	.44	.77
7 „	.58	.57	.44	.64	.29	.20	.82	.50	.25	.37	.43	.76
8 „	.57	.61	.35	.46	.34	.28	.72	.55	.22	.23	.38	.67
9 „	.41	.38	.27	.39	.35	.29	.71	.38	.27	.14	.20	.44
10 „	.26	.17	.25	.39	.35	.30	.65	.42	.36	.12	.16	.38
11 „	.22	.10	.17	.35	.30	.44	.61	.41	.35	.10	.18	.32

TABLE XCVII.—*Excess of the Mean Hourly Force of the Wind above the Monthly Mean Value.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.
Midnight.	-0.24	-0.24	-0.06	-0.18	-0.01	0.18	-0.02	0.09	0.08	-0.14	-0.16	-0.13
1 A.M.	- .18	- .26	- .10	- .14	- .07	.41	.22	.10	.02	- .09	- .16	- .24
2 „	- .14	- .23	- .22	- .20	- .10	.11	.15	.03	- .01	- .07	- .14	- .26
3 „	- .13	- .25	- .18	- .22	- .05	.15	.32	.01	.01	.01	- .12	- .26
4 „	- .06	- .26	- .18	- .22	- .08	.05	.16	.11	- .05	.01	- .10	- .23
5 „	- .11	- .25	- .26	- .29	- .17	- .05	.05	.05	- .09	- .06	.01	- .23
6 „	- .19	- .24	- .22	- .29	- .15	- .10	- .05	- .07	- .09	- .10	- .03	- .19
7 „	- .15	- .24	- .24	- .25	- .12	- .07	- .12	- .05	- .14	- .03	.00	- .16
8 „	- .12	- .22	- .23	- .23	- .09	- .09	- .13	- .05	- .13	- .09	.07	- .09
9 „	- .17	- .17	- .10	- .23	- .05	- .02	- .21	- .01	.03	- .10	- .02	.00
10 „	- .18	- .13	- .03	- .16	.01	.01	- .16	.05	.14	- .13	- .05	01
11 „	- .17	- .01	.01	- .08	.05	- .03	- .17	- .02	.10	- .11	- .09	.01
Noon.	- .13	.10	.10	.01	.10	- .02	- .04	- .04	.16	- .08	- .08	.03
1 P.M.	.12	.22	.22	.23	.05	.24	- .05	- .05	.05	.12	- .03	.03
2 „	.24	.33	.39	.38	.08	.07	.08	- .08	.02	.23	- .04	.16
3 „	.37	.40	.38	.50	.12	.07	- .12	- .06	.13	.30	.07	.24
4 „	.40	.42	.28	.45	.11	- .03	.17	- .06	.06	.30	.13	.19
5 „	.25	.43	.26	.32	.04	- .17	- .05	- .03	- .01	.09	.16	.19
6 „	.26	.32	.19	.22	- .03	- .20	- .08	.05	- .04	.48	.22	.37
7 „	.22	.24	- .11	.27	- .02	- .19	.11	.03	- .08	.09	.21	.36
8 „	.21	.28	.02	.07	.03	- .11	.01	.08	- .11	- .05	.16	.27
9 „	.05	.05	- .06	.02	.04	- .10	.00	- .09	- .06	- .14	- .02	.04
10 „	- .10	- .16	- .08	.02	.04	- .09	- .06	- .05	.03	- .16	- .04	- .02
11 „	- .14	- .23	- .16	- .02	- .01	.05	- .10	- .06	.02	- .18	- .04	- .08

TABLE XCVIII.—*Showing, for the Year* 1861, *the Mean Force of Wind for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Force of Wind.		Annual Mean.
	Winter.	Summer.	
	lb.	lb.	lb.
Midnight.	0.16	0.45	0.31
1 A.M.	.15	.52	.33
2 „	.14	.43	.28
3 „	.16	.47	.32
4 „	.18	.42	.30
5 „	.17	.35	.26
6 „	.16	.30	.23
7 „	.17	.31	.24
8 „	.22	.31	.27
9 „	.23	.35	.29
10 „	.23	.41	.32
11 „	.26	.41	.33
Noon.	.31	.47	.39
1 P.M.	.43	.51	.47
2 „	.54	.52	.53
3 „	.61	.54	.57
4 „	.61	.55	.58
5 „	.55	.46	.50
6 „	.63	.42	.52
7 „	.53	.45	.49
8 „	.47	.43	.45
9 „	.31	.40	.35
10 „	.22	.41	.32
11 „	.18	.41	.30

FOR DAY AND NIGHT.

	lb.
Mean of {6, 7, 8, 9, 10, 11 P.M. / Midnt. 1, 2, 3, 4, 5 A.M.} or Night	0·35
Mean of {6, 7, 8, 9, 10, 11 A.M. / Noon, 1, 2, 3, 4, 5 P.M.} or Day	0.39
Mean Annual.....	0·37

TIMES OF MEAN MAXIMUM AND MINIMUM.

In Summer.

A Maximum at 4 P.M.
A Minimum at 6 A.M.

In Winter.

A Maximum at 6 P.M.
A Minimum at 2 A.M.

TABLE XCIX.—*Showing, for the Year* 1861, *the Hours of Bombay Civil Time at which the Mean Force of Wind, without regard to the Direction in which it blew, in each Month, was at its Maximum and Minimum.*

Months, 1861.	The Mean Hourly Force of Wind.		Mean Diurnal Range.	The Time at which the Mean Hourly Force of Wind was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	lb.	lb.	lb.	H.	H.
January	0.76	0·12	0·64	4 P.M.	Midnight.
February	.76	·07	0·69	5 „	4 A.M.
March	·72	·07	·65	2 „	5 „
April	·87	·08	·79	3 „	5 & 6 „
May.....	·43	·14	·29	3 „	5 „
June.....	·80	·19	·61	1 A.M.	6 P.M.
July.....	1·03	.50	.53	3 „	9 A.M.
August.....	0·58	·38	·20	4 „	9 P.M.
September	·49	·19	·30	Noon.	7 A.M.
October	.76	·10	·66	6 P.M.	11 P.M.
November	·44	·06	·38	6 „	1 A.M.
December.....	·77	·14	·63	6 „	2 & 3 „

TABLE C.—*Showing the effect of different Winds on the Principal Meteorological Elements during the Year* 1861.

Those hours on which the extent of clouds was above $\frac{1}{3}$ of the whole sky and the force of wind was less than 1lb., were all thrown out in reducing these results.

Months, 1861.	North.						North-East.					
	Barometer corrected for Temperature.	Temperature of External and Free Air.	Temperature of Evaporation.	Pressure of Supposed Dry Air.	Force of Wind.	Instances.	Barometer corrected for Temperature.	Temperature of External and Free Air.	Temperature of Evaporation.	Pressure of Supposed Dry Air.	Force of Wind.	Instances.
	in.	°	°	in.	lb.		in.	°	°	in.	lb.	
January ..	29·913	69·2	60·8	29·463	0·30	84·5	29·940	74·8	63·7	29·469	0·32	32·5
February..	·923	73·7	66·0	·372	·24	106 0	·988	80·5	65·7	·518	.14	9·5
March....	·875	74·6	68·6	·243	·32	52·0	·881	76·1	69 7	·237	·25	17·0
April	·753	80 1	75·1	28·952	·22	29·0	·780	79·7	74·7	28·986	·12	3·0
May	·752	81·0	76·0	.925	·10	0·5						
October ..	·883	82 0	76·7	29·040	·20	8·0	·882	80·4	75·2	29·080	·16	2·5
November .	·933	76·9	69·4	·263	·28	116·5	·850	83·7	71·9	·210	·31	12·0
December .	·945	72·9	66·0	·379	·31	116·5	·950	75·1	66·7	·387	·30	64.0
	East.						South-East.					
	in.	°	°	in.	lb.		in.	°	°	in.	lb.	
January ..	29·993	76·2	67·8	29·409	0·51	8·0	29·984	82·6	68·0	29·464	0·15	1·0
February..												
March....	·866	75·9	69·1	·235	·23	1·5	·877	77·3	72·6	29·139	·20	3·0
April	·785	79·1	74·5	28·994	·12	2·0						
May												
October ..	·882	80·4	75·2	29·080	·16	2·5	·860	77·5	74·5	29·052	·10	0·5
November	·787	75·2	71·6	·062	·20	1·5						
December .	.965	79·3	66·9	·443	·36	6·0						

TABLE C—(*continued*).

Months, 1861.	South.						South-West.					
	Barometer corrected for Temperature.	Temperature of External and Free Air.	Temperature of Evaporation.	Pressure of Supposed Dry Air.	Force of Wind.	Instances.	Barometer corrected for Temperature.	Temperature of External and Free Air.	Temperature of Evaporation.	Pressure of Supposed Dry Air.	Force of Wind.	Instances.
	in.	°	°	in.	lbs.		in.	°	°	in.	lbs.	
January ..							29·845	79·2	69·8	29·226	0·20	1·5
February .												
March....	29·871	80·7	73·1	29·148	0·27	4·0	·894	84·6	74·1	29·180	·40	3·0
April	·824	85·3	76·8	·012	·22	4·5	·766	88·7	78·1	28·940	·27	6·0
May	·791	87·5	84·7	28·890	·47	4·0	·760	87·7	79·5	28·864	·23	12·5
October ..	·860	77·5	74·5	29·052	·10	0·5	·842	76·5	74·3	29·030	·60	3·0
November .												
December .												
	West.						North-West.					
	in.	°	°	in.	lbs.		in.	°	°	in.	lbs.	
January ..	29·845	80·1	69·8	29·236	0·22	4·5	29·892	75·2	65·2	29·378	0·73	83·0
February ..	·899	82·8	72·1	·239	·40	5.0	·886	77·3	69·9	·243	·51	175·5
March.. ...	·819	81·9	73·6	·094	·37	30·5	·816	78·6	71·2	·170	·56	168·0
April	·764	85·9	77·9	28·917	·43	43·0	·751	84·4	77·1	28·917	·55	149·0
May.....	·786	88·2	78·7	·918	·29	22·0	·792	85·3	78·0	·913	·60	6·0
October ..							·864	81·3	76·4	29.027	·23	23·0
November .	·956	74·7	68·4	29·338	·18	10·5	·886	77·0	71·7	·174	·24	109·5
December..	·909	78·3	69·8	·276	·52	42·0	·913	75·1	68·5	·262	·53	189·5

TABLE CI.—*Showing the Fall of Rain, in inches, under different Winds, as registered by Newman's Gauge, in the Year* 1861.

Direction of Wind.	May.		June.		July.		August.		September.		October.		Direction of Wind.
	Fall of Rain.	Instances.	Fall of Rain.	Instances.	Fall of Rain.	Instances.	Fall of Rain.	Instances.	Fall of Rain.	Instances.	Fall of Rain.	Instances.	
	in.	H.	in.	H.	in.	H.	in.	H.	in.	H.	in.	H.	
N.									0·59	3½			N.
NE.			0·16	3					0·19	1	0·64	3	NE.
E.			0·07	1					0·04	1			E.
SE.	0·55	2	0·30	3½									SE.
S.	0·03	1	1·14	12	0·47	8½	0·09	½					S.
SW.	0·01	1	1·79	21	7·99	74	2·96	28½	0·53	7½			SW.
W.			2·25	21	8·81	52½	10·95	84	0·37	11½			W.
NW.			1·03	6½	1·97	6	5·51	37	0·15	6½	0·04	1	NW.
Calm	0·04	1	2·15	8	0·90	6	0·07	3	0·14	3	0·97	5	Calm

This table shows that Westerly winds bring more rain than any other direction; the maximum fall occurred under Westerly Wind and SW., and NW. were in order next to it. Fall of rain during calm hours is third in order.

TABLE CII.—*Showing the Mean Effect of different Winds during the last four years, on the Meteorological Elements, reduced from the Hourly Observations of those Elements.*

Year.	Direction of Wind.	Number of Instances.	Barometer corrected for Temperature.	Temperature of External and Free Air.	Temperature of Evaporation.	Pressure of Supposed Dry Air.	Force of Wind.	Rain fall.	Number of Instances.	Remarks.
			in.	°	°	in.	lb.	in.		
1858.	N.	892.0	29.895	76.6	70.8	29.214	0.24	2.575	19.0	In reducing the results of the first five elements of this year, calm hours were only thrown out, but cloudy hours were in all cases used.
	NE.	534.0	.930	77.1	70.5	.273	.17	1.045	6.5	
	E.	281.5	.903	80.2	73.5	.161	.19	0.170	3.5	
	SE.	115.0	.783	80.6	77.2	28.909	.29	0.225	4.5	
	S.	207.5	.710	82.6	77.9	.824	.44	2.195	19.0	
	SW.	838.5	.728	82.4	78.4	.822	.41	9.785	107.0	
	W.	1632.0	.742	82.4	78.3	.844	.36	23.515	215.0	
	NW.	1583.0	.817	82.0	74.7	29.050	.31	7.970	61.5	
1859.	N.	766.0	29.892	76.6	71.2	29.196	0.33	3.950	19.5	In reducing the results of the first five elements during this year, cloudy hours were used, and calm hours thrown out of calculation.
	NE.	408.5	.903	77.9	71.8	.207	.16	1.260	7.5	
	E.	200.0	.851	79.4	73.6	.097	.21	1.970	7.5	
	SE.	83.5	.769	82.2	77.5	28.898	.25	1.310	9.5	
	S.	246.0	.707	83.6	79.3	.778	.67	1.120	13.0	
	SW.	951.0	.728	81.8	78.7	.802	.57	12.650	98.0	
	W.	972.0	.746	83.1	78.0	.863	.51	15.880	111.0	
	NW.	1990.0	.822	80.7	74.5	29.051	.44	8.590	66.5	
1860.	N.	240.5	29.917	73.9	67.6	29.314	0.22	0.320	3.0	In reducing the results of the first five elements during this year, both the calm hours and the cloudy hours were thrown out of calculation.
	NE.	262.5	.940	76.9	68.6	.336	.29	0.200	2.0	
	E.	37.5	.955	76.9	67.7	.381	.37	0.840	5.0	
	SE.	3.0	.946	81.2	70.8	.314	.90	0.650	8.0	
	S.	3.0	.883	79.1	76.6	.010	.18	5.000	56.5	
	SW.	16.5	.819	86.6	77.8	28.941	.15	16.260	147.0	
	W.	270.5	.825	83.3	75.0	29.061	.39	13.300	94.0	
	NW.	814.5	.805	79.1	71.6	.121	.51	3.990	29.0	
1861.	N.	513.0	29.914	74.1	66.9	29.337	0.28	0.590	3.5	In reducing the results of the first five elements, calm hours and cloudy hours were both thrown out of calculation in finding the results of this year.
	NE.	140.5	.914	76.4	67.1	.356	.28	0.990	7.0	
	E.	21.5	.900	77.8	65.3	.413	.35	0.110	2.0	
	SE.	4.5	.900	78.5	71.8	.205	.18	0.850	5.5	
	S.	13.0	.830	85.0	78.0	28.968	.20	1.730	22.0	
	SW.	26.0	.791	85.8	77.4	.961	.30	13.240	132.0	
	W.	162.0	.772	82.5	74.1	29.035	.40	22.380	169.0	
	NW.	903.5	.861	78.2	71.1	.188	.50	8.700	57.0	

TABLE CIII.—*Showing the Mean Values of different Meteorological Elements under different Winds, as deduced from the Observation of the last four years* (1858 *to* 1861) *inclusive; and also the effect of Clouds on each of them, deduced from the Observation of the last two years* (1860 *and* 1861) *which were unaffected by Clouds.*

Direction of Wind.	Standard Barometer.			Temperature of Free Air.			Temperature of Evaporation.			Pressure of Supposed Dry Air.			Force of Wind on a Square Foot.			Number of Instances in the last four years.	Number of Instances in the last two years.	Fall of Rain.	
	Mean of the last four years.	Mean of the last two years.	Difference	Mean of the last four years.	Mean of the last two years.	Difference.	Mean of the last four years.	Mean of the last two years.	Difference.	Mean of the last four year.	Mean of the last two Years	Difference.	Mean of the last four years.	Mean of the last two years.	Difference.			Mean Fall for each Wind.	Number of Instances.
	in.	in.	in.	°	°	°	°	°	°	in.	in.	in.	lb.	lb.	lb.	hours.	hours.	in.	hours.
N.	29.901	29·914	-0·013	75·8	74·1	+1·7	69·8	67·1	+2·7	29·246	29·330	-0·084	0·28	0·26	+0·02	2411·5	703·5	0·162	45·0
NE.	·926	·931	-0·005	77·3	76·7	+0·6	70·3	68·1	+2·2	·270	·342	-0·072	·20	·29	-0·09	1345·5	403·0	·152	23·0
E.	·889	·945	-0·056	79·6	77·2	+2·4	72·7	66·4	+6·3	·172	·418	-0·246	·21	·36	-0·15	540·5	59·0	·172	18·0
SE.	·785	·917	-0·132	81·2	79·6	+1·6	77·1	71·4	+5·7	28·917	·247	-0·330	·28	·47	-0·19	205·5	7·5	·110	27·5
S.	·693	·833	-0·140	83·5	83·9	-0·7	78·4	77·7	+0·9	·786	28·971	-0·185	·55	·20	+0·35	469·5	15·0	·107	484·0
SW.	·729	·802	-0·073	82·1	86·1	-4·0	78·6	77·6	+1·0	·809	·968	-0·059	·49	·24	+0·25	1832·0	42·5	·127	549·0
W.	·751	·805	-0·054	82·3	83·0	-0·7	77·9	74·7	+5·2	·863	29·050	-0·187	·41	·39	+0·02	3036·5	432·5	·136	214·0
NW.	·825	·834	-0·009	80·3	78·6	+1·7	73·5	71·3	+2·2	29·086	·157	-0·071	·42	·50	-0·12	5491·0	1718·0		
Normal Mean Value.	29·812	29·838	-0·026	80·0	78.0	+2·0	73·8	70·5	+3 3	29·058	29·182	-0·124	0·377	0·399	-0·022	15232·0	3432·0	0·1213	1511·0

It appears from this Table, that the effect of Clouds is to lessen the Barometric Pressure by about 0.026 in. and to increase the Temperature of Atmospheric Air by about 2°0 Fahrenheit, and to increase the Temperature of Evaporation by about 3°3 and to increase the Pressure of Moisture by about 0.100 in.; the effect on the force of Wind is very trifling.

STATE OF WEATHER IN 1861.

Before giving a full detailed account of the state of weather of this year, a short description of the particular phenomena which attend it, must be given here in order to make it more clear to our readers on the subject.

View of the Horizon at Bombay.—The Island of Bombay is so situated, that one-half of its horizon is bound by the land and the other half by the sea. From N (by E) to S or properly SSE, extends the mainlands of India; but the distant Ghauts intercept the perfect view of the horizon, though no hill rises more than one degree in elevation above the proper position of the true visible horizon. From SSE (by W) to NW, the horizon is a perfect sea-line; and from NW to N extend the Malabar Hills, which do not rise anywhere much above the horizon.

The heights of different Clouds.—The heights of different clouds is supposed to be as follows:—

Height in English miles.	
11 to 8	The different varieties of cirri.
7 to 5	Dense cirri which sometimes inosculate into nimbi.
4 to 3	Dense cirro-cumuli which inosculate into nimbi.
2 to 1	Dense nimbi and cumulo-strati.
½	Detached masses of nimbi which float landward.
On the mainland	Dense mist which is generally observed around hor. in the morning.

The current of Air at any elevation (below eleven miles) may be found out by the motion of clouds in the sky by referring them to the estimated heights given above: for example, if light cirri were seen moving landward, the current of Air at that elevation, from 11 to 8 miles, will be eastward, and so forth for all the other varieties of clouds.

January.

From the begining to the 18th instant, the sky was more or less clouded with cirri and cirro-cumuli, moving generally landward; a few lighter sorts of clouds were afterwards seen about horizon; the weather was slightly disturbed about the middle of this month; lightning was seen along the Eastern horizon after sunset on the night of the 9th, 12th, 14th, and 15th; slight rain fell in the morning of the 13th instant.

February.

During the greater part of this month the sky was more or less clouded with cirri, especially during the day time; but their number and extent was greater in the first-half of the month than in the latter. Dew fell copiously at night. There were four cloudless days in this month.

March.

During the first four days of this month the sky was partially clouded with cirri and cirro-cumuli; but afterwards it remained nearly cloudless for the next eight days. Between the *12th* and *15th*, denser clouds were seen in the sky with cumuli in horizon, through which lightning proceded after sunset, on the nights of 14th and 15th instants. A few slight drops of rain fell on the 13th and *15th before sun*rise. After the 16th instant, the sky was more or less clouded with loose masses of cirro-cumuli passing generally landward. Dew fell generally after midnight during this month.

April.

For the first nine days of this month cirri and cirro-cumuli were seen scattered about the sky generally in the morning; between 10th and 20th the state of the atmosphere was a little disturbed: cirro-cumuli, nimbi, and other denser sorts of clouds were often observed in the sky; ranges of cumuli

were seen along the E hor. in the afternoon, through which lightning often proceeded after sunset, but thunder was but once noticed at 2h. 45m. P.M., on the 12th instant; the direction and force of wind was slightly changed on the 11th, 12th, and 13th instants. After the 20th the sky was more or less clouded with cirro-cumuli. Slight rain fell on the nights of the 13th, 14th, and 24th instants. Fall of dew was generally noticed at night on all undisturbed days.

Lightning .... 10th, 13th, 15th, 16th, 17th, and 18th instants.

MAY.

During the first ten days of this month the sky was partially clouded with cirro-cumuli and nimbi, whose motion was generally south-eastward; and fall of dew was copious at night. Between 10th and 20th, the sky was more or less clouded with the same clouds, but they had grown rather heavier and denser in their formation, and their motion was generally eastward or south-eastward. After the 20th instant cumuli, in ranges, were seen along the E hor. generally in the afternoon, and masses of nimbi and cirri scattered about the sky. After the 28th instant, lightning was seen to proceed after sunset from the north-easterly cumuli, but accompanied with thunder only on the 31st instant. Slight rain fell during the latter half of the month; the quantity being about 0.69 inches. The following are some of the remarkable days in this month:—

Lightning ..... 28, 29, 30, and 31.
Thunder ... . 31.
Rain ..... 23, 25, ... 31.

JUNE.

Ranges of cumuli were seen along the E hor. about the beginning of the month, but they were not visible in the latter half of this month. The sky was more or less clouded with cirri, cirro-cumuli, and nimbi, but the latter more prevailed. The motion of clouds was generally E or NE, but it was quite uncertain about the close of this month. Raining season regularly set in after the 31st of the last month, but the quantity of rain fallen in this month was about 7·63 inches less than the average fall for this month. The winds force was very smart on the 3rd instant.

Lightning 1, 20, 24, 29.
Thunder 8, 20, 24, 26, 28.
Rain... 1, 2, 3, 4, 5, 6, 7, 8, 12, 13, 14, 15, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.

JULY.

During the first week of this month the sky remained uniformly overcast with heavy nimbi; between the 7th and 14th the extent of clouds was a little less than the first week; after the 15th instant the sky remained densely clouded with nimbi, but at the close of the month they gave way to lighter clouds, which were seen more or less scattered about the sky; the motion of clouds was generally landward; solar-halos were often observed. A comet was visible between 4th and 11th instant, the length of its tail was about degrees 10 at first, but afterwards gradually vanished, and it had a faint corona around it about the 31st of July. The fall of rain during this month was about 0.85 inches higher than the mean of the last fourteen years.

Rain..1, 2, 3, 4, 5, 6, 9, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29.
Wind 1, 2, 3, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24.

AUGUST.

During the first ten days of this month the sky was partially clouded with heavy nimbi and cirri, the former moving generally south-eastward, but afterwards the sky remained densely clouded with nimbi, whose motion was east-north-east or eastward: the motion of clouds was due-eastward about the close of the month.

Lightning was seen in NE hor. on the 7th instant after sunset, and on the 12th lightning and thunder were but once noticed at 1h 32m. A.M. The fall of rain during this month was 29.35 inches, being about 4.7 inches greater than the average mean for the last fourteen years. The wind blew from WSW or WNW, and its force was a little on an increase between 14th and 26th instants. The following are some of the remarkable days during this month:—

Lightning	7, 8, 12.
Thunder	12.
Rain	3, 7, 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31.
Wind breezes	14, 15, 16, 18, 20, 21, 22, 23, 24, 25, 26, 27, 31.

September.

From the beginning to the 25th instant the sky was more or less clouded with nimbi and cirri, the former moving generally eastward or north-eastward. The stormy weather lasted for about few days: it commenced on the 25th instant and ended about the 30th instant. The fall of rain was very small, being about 6·10 inches less than the average fall for this month:—

Lightning	25, 26, 27, 28, 30.
Thunder	25, 26, 27, 28.
Rain	1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 17, 19, 21, 23, 26, 27, 28, 29, 30.

October.

During this month nimbi, cirro-cumuli, and cirri were seen scattered throughout the sky, whose motion was generally SE, but it was quite uncertain about the middle of the month. Cumuli were seen along the E hor. after the 10th instant. The weather was slightly disturbed on the 22nd instant; the wind was easterly during the disturbed period, and the motion of clouds was westward. Dew fell generally at night during the whole of this month. The following are some of the remarkable days during this month:—

Lightning	3, 14, 15, 22, 23, 24 25, 26.
Thunder	22, 23.
Rain	1, 2, 3, 6, 19, 22, 23.

November.

Before the 17th instant the sky was partially clouded with cirri and patches of cirro-cumuli. Between 17th and 26th the sky remained nearly cloudless; a few cirri were visible about horizon on the 18th, 22nd, and 25th, in the afternoon. After the 26th instant it was more or less clouded with cirri, whose motion was generally eastward. The state of atmosphere was more humid, and the fall of dew and morning mists and fogs were always observed generally about two hours or three hours after sunset.

December.

During this month the 7th, 12th, and 14th were entire cloudless days. On the 5th, 13th, 18th, 23rd, 24th, and 26th, a few cirri were seen about horizon in the morning. About the close of this month the sky was more or less clouded by cirri, which were the prevailing clouds in this month. The Atmosphere Air was colder in the latter half of this month than the former, as the fall of dew was often noticed during the latter. Mists and fogs were always visible. Tropical winter had not as yet regularly set in.

TABLE CIV.—*Number of Days of the occurrences of each Phenomena as come under the head "Weather," during the Year* 1861.

Month, 1861.	Number of Days of the occurrences of each Phenomena.									
	Entirely Cloudless sky.	Almost Cloudless sky.	Lightning & Thunder, both noticed.	Lightning only noticed.	Thunder only noticed.	Fall of Rain below 0·01 of an inch.	Fall of Rain above 0·01 of an inch.	Meteorological Disturbance.	Magnetic Disturbance	Force.
January	1	2	—	4	—	1	—	3 : slight.	2	11
February	4	1	—	—	—	—	—	2 : slight.	2	14
March	2	4	—	2	—	2	—	2 : slight.	None	11
April	1	1	—	7	1	4	—	5 : slight.	1 : slight.	16
May.....	—	—	1	3	—	5	4	1	None	4
June	—	—	3	2	2	4	20	5 : slight. 3 : great.	None	11
July.....	—	—	—	—	—	2	23	2 : slight.	None	14
August.....	—	—	1	2	—	4	21	7 : slight. 1 : squall.	1 slight	11
September ..	—	—	4	1	—	6	19	6 : slight.	None	6
October	—	—	2	6	—	2	5	5 : slight. 2 : squall.	3	8
November ..	5	4	—	—	—	—	—	1 : slight.	None	1
December....	3	6	—	—	—	—	—			
Sums	16	18	11	27	3	30	92	45	9	107
Difference of 1861 above the average of the last eight years.	—4	—10	—6	—3	+3	+5 Above the average of 4 years.	+7	—1 Above the average of three years.	—9 Above the average of 3 years.	None

Sundays were not taken in the calculation in reducing these results.

TABLE CV.—*Showing, for each Month, the Mean Portion of Cloudy Sky; and its Periodic Changes from the Mean of the Year.*

Months, 1861.	Mean Portion of Cloudy Sky.	Difference from the Mean of the Year.	For Seasons.
January	2·3	−1·4	Mean of {Jan., Feb., March, Oct., Nov., Dec.} or Winter..... 1·8
February	1·1	−2·6	
March	1·2	−2·5	
April.....	2·1	−1.6	Mean of {April, May, June, July, Aug., Sept.} or Summer ..... 5·6
May.....	3·7	0·0	
June.....	6·4	2·7	
July.....	7·7	4·0	Mean of the Year ..... 3·7
August.....	7·4	3·7	
September	6·0	2·3	Greatest Monthly Mean in July..... 7·7
October	3·8	0·1	Least Monthly Mean in December..... 0·4
November	1·8	−1·9	
December	0·4	−3·3	Difference..... 7.3

TABLE CVI.—*Mean Portion of Cloudy Sky (the whole being equal to eight parts) in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	1.4	0.4	1.3	2.2	3.1	6.4	7.3	7.0	6.2	3.9	0.7	0.2
1 A.M.	1.2	0.4	1.4	2.5	3.4	6.3	7.5	7.2	6.1	4.3	0.7	0.1
2 ,,	1.1	0.4	1.5	2.7	3.5	6.0	7.3	7.0	5.8	4.3	0.8	0.0
3 ,,	1.5	0.5	1.3	2.5	3.6	6.0	7.6	7.0	5.9	4.0	0.9	0.1
4 ,,	1.6	0.5	1.4	2.8	3.6	5.9	7.5	7.0	6.1	3.9	0.8	0.2
5 ,,	1.8	0.4	1.4	3.1	5.1	6.5	7.9	7.2	6.6	4.4	1.0	0.2
6 ,,	2.4	1.4	2.0	2.9	5.2	6.7	7.8	8.0	6.7	4.9	2.6	0.5
7 ,,	2.6	1.9	1.8	3.0	4.7	6.7	7.8	7.8	6.4	4.4	2.6	1.4
8 ,,	2.7	2.2	1.5	2.8	5.0	6.7	7.8	7.7	6.5	3.9	2.1	0.9
9 ,,	2.9	2.0	1.6	2.0	3.6	6.8	7.7	7.7	6.2	4.0	2.7	0.7
10 ,,	2.8	2.0	1.2	1.8	3.0	6.4	7.8	7.9	6.0	4.2	2.7	0.6
11 ,,	2.5	1.9	1.0	1.7	2.3	6.5	7.8	7.6	5.8	3.6	2.7	0.6
Noon.	2.6	1.8	0.8	1.6	2.5	6.5	7.7	7.4	5.4	3.7	2.4	0.6
1 P.M.	2.4	1.8	0.7	1.6	2.7	6.2	7.7	7.4	5.4	3.8	2.3	0.3
2 ,,	2.7	1.6	0.7	1.5	2.8	6.4	7.9	7.4	5.0	3.6	2.1	0.3
3 ,,	2.8	1.7	0.7	1.5	3.5	6.2	7.9	7.5	5.3	3.2	2.5	0.4
4 ,,	3.3	1.8	0.9	1.6	4.0	6.6	7.9	7.4	5.4	3.4	2.9	0.3
5 ,,	3.1	1.2	1.1	1.7	4.4	7.0	7.9	7.7	6.1	3.4	2.8	0.5
6 ,,	3.7	1.8	1.1	1.8	4.4	6.7	7.8	7.7	6.5	3.8	2.3	0.5
7 ,,	2.3	0.2	0.9	1.8	4.7	6.8	7.8	7.7	6.0	3.6	1.4	0.4
8 ,,	2.0	0.1	0.7	1.8	3.2	6.4	7.8	6.9	5.8	3.3	1.0	0.3
9 ,,	1.9	0.3	0.8	2.0	3.3	6.1	7.7	7.1	5.8	3.4	1.1	0.2
10 ,,	1.9	0.3	1.0	2.0	3.2	6.4	7.5	7.0	6.0	3.3	1.4	0.2
11 ,,	1.5	0.3	1.1	2.3	3.2	5.9	7.5	7.1	6.6	3.8	1.0	0.1

TABLE CVII.—*Showing, for the Year* 1861, *the Mean Portion of the Cloudly Sky, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Portion of Cloudly Sky.	Difference from the Mean of the Whole.
Midnight.	3·3	− 0·4
1 A.M.	3·4	− 0·3
2 ,,	3·4	− 0·3
3 ,,	3·4	− 0·3
4 ,,	3·4	− 0·3
5 ,,	3·8	0·1
6 ,,	4·3	0·6
7 ,,	4·3	0·6
8 ,,	4·2	0·5
9 ,,	4·0	0·3
10 ,,	3·9	0·2
11 ,,	3·7	0·0
Noon.	3·6	− 0·1
1 P.M.	3·5	− 0·2
2 ,,	3·5	− 0·2
3 ,,	3·6	− 0·1
4 ,,	3·8	0·1
5 ,,	3·9	0·2
6 ,,	4·0	0·3
7 ,,	3·6	− 0·1
8 ,,	3·3	− 0·4
9 ,,	3·3	− 0·4
10 ,,	3·3	− 0·4
11 ,,	3·4	− 0·3

FOR DAY AND NIGHT.

Mean of { 6, 7, 8, 9, 10, 11 P.M. / Midnt. 1, 2, 3, 4, 5, A.M. } or Night.. 3·4

Mean of { 6, 7, 8, 9, 10, 11 A.M. / Noon. 1, 2, 3, 4, 5 P.M. } or Day .... 3·9

Mean Annual..... 3·7

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Maximum at about 6 or 7 A.M.
A Minimum—uncertain.

TABLE CVIII.—*Showing, for the Year* 1861, *the Hours of Bombay Civil Time, at which the Mean Portion of Cloudy Sky, in each Month, was at its Maximum and Minimum.*

Months, 1861.	The Mean Hourly Extent of Cloudy Sky.		Mean Diurnal Range.	The Time at which the Mean Hourly Extent of Cloudy Sky was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	3·7	1·1	2·6	6 P.M.	2 A.M.
February	2·2	0·1	2·1	8 A.M.	8 P.M.
March	2·0	0·7	1·3	6 ,,	Uncertain.
April	3·1	1·5	1·6	5 ,,	2 & 3 P.M.
May	5·2	2·3	2·9	6 ,,	11 A.M.
June	7·0	5·9	1·1	5 P.M.	4 ,,
July	7·9	7·3	0·6	Uncertain.	2 ,,
August	8·0	6·9	1·1	6 A.M.	8 P.M.
September	6·7	5·0	1·7	6 ,,	2 ,,
October	4·9	3·2	1·7	6 ,,	3 ,,
November	2·9	0·7	2·2	4 P.M.	1 A.M.
December	1·4	0·0	1·4	7 A.M.	2 ,,

TABLE CIX.—*Fall of Rain, in inches, measured by Newman's Gauge, for each day of Bombay Civil Time.*

Date, 1861.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
					in.	in.	in.	in.	in.	in.		
1						0.02	5.37		0.74	0.04		
2						3.08	3.06			0.32		
3						0.95	0.15	0.03	0.06			
4							0.05		0.30			
5						0.01	0.04		0.01			
6						0.33	0.03		0.16	0.21		
7						0.33		0.02	0.02			
8						0.46		0.14	0.10			
9							0.17		0.27			
10								0.35	0.19			
11							0.02					
12						0.07	0.11	1.70				
13						0.22	1.57	0.55				
14						1.31	5.08	5.49				
15						0.04	2.94	1.79				
16						0.04	1.28	0.16	0.03			
17							0.09	2.39	0.04			
18						0.12	1.25	6.08				
19						0.10	1.75	4.48				
20						0.97	0.65	0.56				
21						1.30	0.12	0.41				
22						0.29	0.33	0.26		0.43		
23					0.01	1.57	1.12	0.29		0.86		
24						0.01	0.07	0.32				
25					0.04	1.05	0.01	0.01				
26					0.06	0.61	0.02	0.43	0.04			
27						0.23	0.02	2.03	0.09			
28						0.02		0.24	0.37			
29						0.45	0.04	0.37	0.39			
30						1.85		1.47	0.43			
31					0.58			0.58				

TABLE CX.—*Showing, for each Month, the fall of Rain, measured by Newman's Gauge, and the number of rainy Days.*

Months, 1861.	Fall of rain.	Number of Rainy days.	FOR SEASONS.
	in.		in.
January			Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter .. 1·86
February			
March			
April			Mean of { April, May, June, / July, Aug., Sept. } or Summer ... 75·05
May	0·69	4	
June	15·43	25	
July	25·34	25	Mean of the Year..... 76·91
August	30·35	24	
September	3·24	16	Greatest Monthly fall in August .....
October	1·86	5	Least Monthly fall in May .....
November			None in Jan., Feb., March, April, Nov., and Dec.
December			

TABLE CXI.—*Fall of Rain, measured by Newman's Gauge, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
					in.	in.	in.	in.	in.	in.		
Midnight.						0.51	0.41	0·58	0.28			
1 A.M.						0.61	1.37	0.30	0.27	0.21		
2 „					0.03	0.56	1.62	1.36	0.11	0.11		
3 „					0.03	1.56	1·02	2.08	0.06			
4 „					0.52	0.29	1.01	2.95	0.25			
5 „					0.06	0·25	0.39	2.33	0·30			
6 „					0.05	1.55	0.13	3.71	0.16	0.02		
7 „						1.33	0.52	2.70	0.35			
8 „						0.01	0.96	1.53	0.05	0.17		
9 „						0.31	1.65	1.15	0.05			
10 „						1.02	2.23	1.25	0.02	0·02		
11 „						0.41	1.35	1.21				
Noon.						0.35	0.76	0.93				
1 P.M.						0.54	1.27	1.02				
2 „						0.34	1.15	0.84				
3 „						1.19	0·78	0.88				
4 „						1.16	1·33	0·58		0.04		
5 „						1·03	1·37	0.66	0.01	0.02		
6 „						1.00	0·63	0.49	0.04	0·60		
7 „						0.41	1·08	1·20		0.62		
8 „						0.22	0·35	0.64	0.04	0.04		
9 „						0.14	1·58	0.46	0.39	0.01		
10 „						0.09	1·80	1.18	0.18			
11 „						0.55	0.58	0.32	0.68			

TABLE CXII.—*Fall of Rain, in inches, as measured by Osler's Gauge, for each day of Bombay Civil Time.*

Date, 1861.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
					in.	in.	in.	in.	in.	in.		
1						0.02	5.11		0.66	0.03		
2						2.86	3.06		0.0	0.32		
3						0.94	0.19	0.03	0.05			
4							0.07		0.23			
5						0.01	0.05		0.01			
6						0.34	0.08		0.16	0.21		
7						0.34		0.03	0.02			
8						0.44		0.19	0.10			
9							0.17		0.27			
10								0.29	0.18			
11							0.04					
12						0.07	0.11	1.83				
13						0.21	1.74	0.58				
14						1.20	4.87	5.49				
15						0.04	2.87	1.68				
16						0.03	1.21	0.19	0.03			
17							0.13	2.32	0.04			
18						0.15	1.38	5.71				
19						0.12	1.64	4.17				
20						0.93	0.84	0.49				
21						1.18	0.16	0.41				
22						0.33	0.37	0.26		0.37		
23					0.01	1.46	0.99	0.28		0.77		
24						0.01	0.12	0.34				
25					0.04	1.06	0.02	0.01				
26					0.06	0.71	0.02	0.44	0.03			
27						0.29	0.03	1.98	0.09			
28						0.02	0.00	0.23	0.35			
29						0.51	0.05	0.36	0.34			
30						1.63		1.38	0.37			
31					0.55			0.50				

TABLE CXIII.—*Showing, for each Month, the Fall of Rain, as measured by Osler's Gauge, and the Number of Days.*

Months, 1861.	Fall of Rain.	Number of Rainy Days.	FOR SEASONS.
	in.		in.
January			Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter .... 3·70
February			
March			
April			Mean of { April, May, June, / July, Aug., Sept. } or Summer.... 72·94
May	0.66	4	
June	14·90	25	
July	25·32	25	Mean of the Year ..... 74·64
August	29·13	24	
September	2.93	16	
October	1·70	5	
November			
December			

TABLE CXIV.—*Fall of Rain, in inches, as measured by Osler's Gauge, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1861.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
					in.	in.	in.	in.	in.	in.		
Midnight.						0.45	0.49	0.54	0.26			
1 A.M.						0.50	1.34	0.41	0.23	0.21		
2 ,,					0.03	0.51	1.62	1.44	0.10	0.11		
3 ,,					0.03	1.47	1.12	2.17	0.05			
4 ,,					0.49	0.27	1.07	2.66	0.23			
5 ,,					0.06	0.24	0.43	2.57	0.26			
6 ,,					0.05	1.67	0.12	3.39	0.15	0.01		
7 ,,						1.20	0.55	2.63	0.33			
8 ,,						0.01	0.95	1.43	0.04	0.17		
9 ,,						0.60	1.64	1.13	0.04			
10 ,,						0.79	2.19	1.12	0.01	0.02		
11 ,,						0.46	1.36	1.11	0.01			
Noon.						0.42	0.71	0.90				
1 P.M.						0.67	1.31	0.89				
2 ,,						0.64	1.11	0.75				
3 ,,						0.61	0.70	0.94				
4 ,,						1.09	1.32	0.51		0.05		
5 ,,						0.96	1.46	0.60	0.01	0.01		
6 ,,						0.92	0.61	0.48	0.04	0.52		
7 ,,						0.45	1.08	1.13		0.55		
8 ,,						0.13	0.30	0.60	0.04	0.03		
9 ,,						0.13	1.48	0.37	0.07	0.02		
10 ,,						0.20	1.74	1.16	0.10			
11 ,,						0.51	0.62	0.26	0.66			

TABLE CXV.—*Showing, for the Year* 1861, *the Fall of Rain for each Hour of Bombay Civil Time, as measured by Newman's and Osler's Gauges.*

Bombay Civil Time.	Fall of rain by Newman's Gauge.	Fall of rain by Osler's Gauge.
	in.	in.
Midnight.	1.78	1.74
1 A.M.	2.76	2.69
2 ,,	3.79	3.81
3 ,,	4.75	4.78
4 ,,	5.02	4.72
5 ,,	3.33	3.56
6 ,,	5.62	5.39
7 ,,	4.90	4.71
8 ,,	2.72	2.60
9 ,,	3.16	3.41
10 ,,	4.54	4.13
11 ,,	2.97	2.94
Noon.	2.04	2.03
1 P.M.	2.83	2.87
2 ,,	2.33	2.50
3 ,,	2.85	2.25
4 ,,	3.11	2.97
5 ,,	3.09	3.04
6 ,,	2.76	2.57
7 ,,	3.31	3.21
8 ,,	1.29	1.10
9 ,,	2.58	2.37
10 ,,	3.25	3.20
11 ,,	2.13	2.05

FOR DAY AND NIGHT.

	Newman's. in.	Osler's. in.
Mean of { 6, 7, 8, 9, 10, 11 P.M. / Mid. 1, 2, 3, 4, 5 A.M. } or Night	36.75	35.80
Mean of { 6, 7, 8, 9, 10, 11 A.M. / Noon. 1, 2, 3, 4, 5 P.M. } or Day..	40.16	38.84
Total Fall during the year	76.91	74.64

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Maximum at 6h. A.M.
A Minimum at 8h. P.M.

TABLE CXVI.—*Showing the fall of Rain, measured at different places in Bombay, during the Year* 1861.

Months, 1861.	Fall of Rain by different Gauges.					Number of Rainy Days.	Remarks.
	Newman's Gauge.	Osler's Gauge.	Rain Gauge in Astronomical Department.	Fort Gauge.	Byculla Gauge.		
	inches.	inches.	inches.	inches.	inches.	Days.	
January							
February							
March							
April							
May	0.69	0.66	0.71	Not known.	Not known.	4	
June	15.43	14.90	17.01	26.10	27.91	25	
July	25.34	25.32	28.19	34.63	38.69	25	
August	29.35	29.13	31.04	34.75	36.35	24	
September	3.24	2.93	2.86	5.61	3.13	16	
October	1.86	1.70	1.72	Not known.	Not known.	5	
November							
December							
Annual Fall of Rain	77.91	74.64	81.53	About 103	About 108	09	

METEOROLOGICAL DISTURBANCES IN 1861.

Under the head of Meteorological Disturbances are included all the storms, whether of wind lightning, or thunder; extraordinary clouded state of the sky; great falls in Barometer; or any thing unusual in the state of the atmosphere.

Storms coming from different directions in different seasons of the year are attended with different phenomena, which are well described in the Volume for 1849.

The following is a table showing the number of days on which the state of weather was considered as disturbed; the mean state of Barometer and Temperature, together with other Meteorological phenomena, are herewith given:—

TABLE CXVII.

Month and Day.	Barometer.		Temperature.		Pressure of Moisture.	Wind.		Remarks on the State of Weather.
	Daily Mean.	Excess above the average.	Daily Mean.	Excess above the average.		Direction.	Maximum Force.	
	in.	in.	°	°	in.			
January 14	29.865	−.042	76.9	+2.1	0.720	Abnormal.	Light.	Partially clouded with cirri and cirro-cumuli; lightning in E hor. after sunset.
„ 15	.916	+.009	78.8	+4.0	.760	„	„	
February 19	.944	+.052	78.8	+2.8	.488	Normal.	fresh breeze.	A cloudless day; pressure low, showing the atmosphere was dry.
„ 26	.852	−.031	80.4	+3.9	.636	WSW	„	Partially clouded with cirri.
March 13	.858	.000	81.5	+3.7	.784	Monsoon.	Light.	Slight drops of rain at night.
„ 15	.803	−.054	80.0	+2.1	.799	Circular.	„	Lightning in E hor; slight drops of rain in the morning; the sky partially clouded.
April 2	.795	−.022	82.5	+2.4	.823	S	„	
„ 12	.684	−.089	83.1	+0.7	.758	NW	fresh breeze.	Densely clowded; barometer low; thunder in NE hor.
„ 13	.677	−.093	82.8	+0.3	.773	„	„	
„ 15	.749	−.015	81.9	−0.9	.822	„	Light.	Overcast; lightning and slight rain.
„ 23	.760	−.007	82.5	−1.0	.854	„	„	
May 31	.562	−.131	85.0	+1.0	.967	SW	„	Overcast; lightnihg, thunder, and rain; barometer falling since the 11th May.
June 1		−.186	84.9	−1.0	.944	S	2·0	Overcast; lightning after sunset.
„ 8	.679	+.002	82.5	−0.7	.943	SW	Light.	Overcast; thunder in the afternoon.
„ 20	.691	+.029	81.6	−0.8	.943	Unsteady.	„	Barometer low on the 17th instant; rain, lightning, and thunder after sunset.

TABLE CVII—(*continued*).

Month and Day.		Barometer.		Temperature.		Pressure of Moisture.	Wind.		Remarks on the State of Weather.
		Daily Mean.	Excess above the average.	Daily Mean.	Excess above the average.		Direction.	Maximum Force.	
		in.	in.	°	°	in.			
June	22	29.629	−.031	81.1	−1.2	0.903	SW	Light.	Densely clouded; smart showers of rain.
,,	24	.701	+.043	82.0	−0.1	.924	WSW	,,	Overcast; lightning, thunder, and rain.
,,	26	.655	−.001	80.3	−1.7	.930	Unsteady.	,,	Overcast; thunder in the afternoon.
,,	28	.558	+.004	82.1	+0.3	.947	Circular.	,,	Barometer low; lightning, thunder, and rain.
,,	29	.589	−.064	81.5	−0.2	.947	,,	fresh breeze.	Lightning with smart showers of rain at night.
July	13	.530	−.111	79.4	−1.3	.912	,,	Light.	Barometer low; sky overcast with heavy nimbi; smart showers of rain now and then; steady breezes of wind.
,,	15	.604	−.035	78.4	−2.2	.901	WSW	2·5	
,,	16	.624	−.017	79.8	−0.7	.903	Monsoon.	3·5	
,,	17	.600	−.042	80.3	−0.2	.892	,,	2·7	
,,	18	.609	−.035	77.7	−2.8	.874	Monsoonish	3·7	Densely clouded with heavy nimbi, moving generally eastward; passing showers of rain, accompanied with heavy puffs of wind.
,,	20	.644	−.004	78.6	−1.8	.884	SW	2·2	
,,	23	.617	−.038	79.4	−0.9	.886	,,	2·5	
,,	24	.660	+.006	80.7	+0.5	.906	,,	1·4	
August	7	.726	+.051	81.9	+2.2	.889	NW	Light.	Lightning after sunset; passing rain; the sky was densely clouded with nimbi.
,,	8	.724	+.047	80.9	+1.2	.871	,,	,,	
,,	12	.698	+.014	77.8	−1.7	.870	,,	fresh breeze.	Lightning and thunder at 1 A.M.
,,	14	.638	+.051	76.9	−2.6	.885	Monsoonish	,,	Overcast and heavy rain; smart breezes of wind from WSW or SW; barometer very low on the 20th instant.
,,	15	.620	−.069	76.5	−2.9	.876	,,	,,	
,,	16	.594	−.098	77.8	−1.6	.885	,,	,,	
,,	17	.594	−.101	77.5	−2.0	.888	,,	,,	
,,	20	.558	−.145	77.4	−2.2	.888	W	,,	
September	4	.675	−.068	80.2	+0.1	.876	,,	,,	Barometer low; slight rain.
,,	25	.809	+.007	82.4	2.0	.871	NW	Light.	Storms about the ending of SW monsoon; lightning, thunder, and rain generally noticed after sunset.
,,	26	.810	+.005	82.0	1.6	.880	Abnormal.	,,	
,,	27	.808	.000	81.4	1.0	.905	NW	fresh breeze.	
,,	28	.773	−.037	80.7	0.3	.892	NNW	Light.	
,,	30	.736	−.080	79.3	−1.1	.882	,,	,,	
October	1	.761	−.058	80.1	−0.3	.878	NW	,,	Partially clouded with nimbi; slight rain in the morning; barometer low.
,,	21	.860	+.001	81.3	+1.2	.850	,,	fresh breeze.	Partially clouded with cirri and cirro-cumuli; cumuli in hor. in the afternoon.
,,	22	.865	+.006	79.6	−0.4	.848	NE	Light.	Lightning, thunder, and rain.
,,	23	.871	+.012	80.4	+0.5	.877	Landward.	4·0	
,,	24	.859	−.001	80.0	+0.2	.848	,,	1·5	Lightning along the E horizon after sunset; the sky being partially clouded with cirri, cirro-cumuli, and nimbi.
,,	25	.847	−.013	80.8	+1.1	.889	,,	Light.	
,,	26	.844	−.016	79.8	+0.3	.829	Regular.	,,	
November	28	.930	+.047	76.1	+0.2	.665	,,	,,	Partially clouded with cirri, and barometer falling.
December	12	.858	−.095	73.4	−1.3	.561	,,	fresh breeze.	Barometer low; temperature a little higher.

TABLE CXVIII.—*Showing the Principal Wind Storms that occurred at Bombay during the Year* 1861.

Day and Month	The Storm's first appearance in Bombay in the form of ∿ above the hor.	The Storm first breaks over the Observatory.	Approximate time when it was over.	The Direction from which it came.	Maximum Force of Wind during its continuance.	REMARKS.
					lb.	
June 2	Afternoon of 28th May	2h. 15m. P.M.	1 h. 0m. A. M.	Monsoonish or Westerly.	9.0	High winds, heavy rain, and unsettled wind.
„ 7	Uncertain	0h. 25m. P.M.	0 h. 40m. P.M.	SW.	5.0	A sudden squall in the afternoon.
„ 30	24th June	During the whole Day.		WSW.	8.0	Barometer low since the 28th instant; wind shifting and changing; high winds blowing.
July 2	„	„		NW.	6.0	High breezes of wind during the whole day.
„ 16	The Sky overcast	„		W.	3.5	Smart breezes at 3 A.M. and at 8 P.M.
„ 18	„	Occasionally.		SW.	4.0	Occasional squalls.
„ 23	„	During the whole Day.		W.	4.0	Wind and rain.
August 14	9th August	Midnight.	5½ h. A. M.	WNW.	2.0	Fresh breezes in the morning.
October 22	4th October	6h. 20m. P.M.	6h. 40m. P.M.	E.	4.5	Barometer was falling; electrical clouds were seen in hor., through which lightning proceeded (1st and 23rd).
„ 23	„	5½h. P.M.	6h. P. M.	ENE.	4.0	

SUMMARY OF THE METEOROLOGICAL RESULTS.

BAROMETER.

The normal height, though fluctuating, was decreasing from January to July, and it had a gradual rise from July to the close of the year.

The mean daily height of barometer did not exceed 29.975 inches and never fell below 29.500 inches.

The difference between the mean daily heights of barometer, on two consecutive days, did not exceed 0.20 inches; the difference being generally less than 0.06 inches.

The daily fluctuations of barometer in simple hourly observations, ranged between 0.05 and 0.20 inches.

The daily ranges were larger in winter than in summer; there were many instances in which the range of barometer, was greater than 0.10 inches.

The maximum rise generally occurred one or two hours before noon and midnight; and the minimum fall occurred at about one or two hours before sunrise and sunset. The actual height of barometer was larger at its morning maximum than at its evening maximum; and the height generally lower in the evening minimum than in the morning minimum; the time of evening maximum pretty nearly constant.

If the mean height of barometer is to be determined from two observations taken daily, the hours best suited for this purpose will be 5 A.M. and 11 P.M., 8 A.M. and 4 P.M., or from 6 A.M. only.

The N and E winds increase the barometric readings, and the S and W winds decrease them.

TEMPERATURE.

The means daily temperature of air increased (though irregularly) from the middle of January to the end of May, or about the beginning of June—it was depressed a little in June; but in the next four months (July to October) it was nearly equal to the mean annual temperature; after the month of October, the temperature gradually decreased to the end of December. The depression of temperature in the rainy season was supposed to be the effect of dense clouds then prevalent in the sky; the clouds having refracted the solar rays, did not allow the light to act freely on the atmospheric air which extends from the earth to the clouds.

It appeared from the preceding results, that the effect of temperature on the direction of wind was slower in winter than in dry days, the effect of maximum temperature of air was quicker than the effect of minimum temperature, the effect of one degree of temperature on the azimuth of wind was to shift the wind westward.

During the year 1861 the temperature of air fluctuated between 97° and 62°, and never exceeded these limits.

The differences between the mean daily values of any two consecutive days did not exceed 5°, and in many cases were found to be less than 2°, but greater than 1°.

The temperature of air in the Observatory, and in contact with the ground, was effected by the clouds; and the same factors given for free air, might, with a slight alteration, answer for any other temperature.

The daily range of temperature of free and external air did not exceed 25°, and was generally between 15° and 10°.

The daily ranges in the temperature of ground below 20 inches of its surface were indiscernible; but a regular rise and fall of temperature was observed from one season to the other. Periodical changes in the temperature of ground varies according to the depth of ground. The periodical changes of temperature at six inches below the surface of ground was about 15°, but at the depth of 144 inches reduced to only 2°.

The maximum temperature of air occurred between 1 P.M. and 3 P.M., and the minimum temperature at about sunrise in winter, but in summer the times of occurrences were uncertain.

If the mean temperature of air is to be ascertained from two observations taken daily, the hours best suited for this will be 6 A.M. and 4 P.M., or 9 A.M. and 6 P.M.; if the observation of 9 A.M. be unaffected by clouds, it will answer near enough to the true mean daily temperature.

The combination of observations of 4 A.M. and 4 P.M. will be the best for ascertaining the mean temperature of air and ground under different situations.

The temperature of external and free air was more uniform at night than in the day time.

The fall of temperature from midnight to 6 A.M. was small, but regular; after sunrise, temperature rose rapidly till 11 A.M; from noon to 2 P.M. or 3P. M. the rise was moderate; between 2 and 5 P.M. was a moderate fall of temperature, but at about sunset a large fall was experienced; after sunset a gradual fall was observed throughout the night.

WET-BULB THERMOMETER.

The temperature of evaporation or wet-bulb thermometer increased, though irregularly, from the month of January to July, and fell from July to December. In June and July the temperature of evaporation coincided with the mean annual temperature of air. The presence of clouds in the sky had the effect of increasing the temperature of evaporation.

The difference between the mean daily values of two consecutive days, in many instances, had remained between 1° or 2°, and it had seldom exceeded 6°. The temperature of evaporation ranged between 84° and 53° Fahrenheit. The daily range of temperature of evaporation never exceeded 20° and was not lower than 1°. In many instances it had ranged between 3° and 8°. The daily ranges were higher in winter than in summer.

A perceptible rise of temperature after sunrise, and a fall of temperature at about sunset were observed in the hourly changes of evaporation. An apparent change, at noon, was frequently noticed in temperature of evaporation in winter. The times of maximum and minimum temperature of evaporation were quite irregular and variable.

If the mean daily temperature of evaporation is to be ascertained from two observations taken daily, the hours supposed to be best are 5 A.M. and 1 P.M., or 9 A.M. and 8 P.M. If more than a single combination be used, the deduced mean will be more correct. The temperature of evaporation was high for S and E winds, and it was low for N and W winds. This shows that the evening breezes, which generally blow from NW or W, bring with them moisture in their passage over the water, causing thereby an abrupt change in the afternoon temperature of evaporation as heretofore noticed.

WIND.

There were about 29 days on which the direction of wind was abnormal during this year. The wind made nearly twelve turns round the compass. There were about 14 days out of 310 on which the force of wind was greater than 4 lbs., and about 98 days on which the force was higher than one pound and less than 4 pounds. Monsoonish wind blew in summer, and land and sea breezes in winter. The direction of wind was south or south-west in summer, and in winter the direction was north-westerly or westerly in the evening, and landward or easterly in the morning. The duration of W or NW was greater than any other winds. The greatest force was recorded under SW wind; the direction of the resultant force was in WNW point of the compass, and its mean force was about 0·7 lbs.

The temperature of different winds, calculated from the observation of the winter wind, during the last four years was as follows:—

N = 76	E = 80	S = 83	W = 82
NE = 77	SE = 81	SW = 80	NW = 80

The above given temperature was the observed temperature of wind, but the actual temperature might differ greatly from these values, as the wind does not change its direction simultaneously with the change in the temperature of air.

WEATHER.

There were about 16 entire cloudless days during this year, and about 18 days on which the mean extent of clouds was less than $\frac{1}{8}$ the part of the visible sky. Cirri prevailed generally during the dry days in winter; cirro-cumuli were seen in both seasons of the year; cumuli and cumulo-strati were seen about the beginning and ending of the monsoon, or about the time of occurrence of meteorological disturbances; nimbi were seen in SW monsoon or in the rainy season, or in any storms, whether of lightning, thunder, or wind.

The total fall of rain during this year was 77·9 inches, being about 8·8 inches higher than the mean fall of the last fifteen years. The greatest fall of rain was registered in July, and none in January, February, March, April, November, and December; there were about 30 days on which the fall of rain was less than 0·01 of an inch.

Lightning was registered in January, March, April, May, June, September, and October. There were about 11 days on which lightning was seen in the sky accompanied with thunder.

DISTURBANCES.

There were about 51 days on which the meteorological state of atmosphere was to a certain degree supposed to be disturbed, but there were only 10 days on which the force of wind was above four pounds. Wind storms were generally followed by a low barometer, high and sultry temperature, the sky cloudy, and wind abnormal.

TABLE CXIX.—*Showing the Changes of all the Meteorological Elements during the Year* 1861, *reduced from the separate Results of each Element in the preceding pages.*

Names of Meteorological Elements.	Diurnal Ranges.			Periodical Changes.			Difference between Night and Day.		
	Winter.	Summer.	Mean Range.	Mean Value in Winter.	Mean Value in Summer.	Annual Mean.	Mean of Day Time.	Mean of Night Time.	Difference.
Standard Barometer No. 58.....	0.119	0.088	0.104	29.886	29.708	29.797	29.803	29.790	0.013
Temperature of Free Air.....	12.6	7.3	10.0	76.7	81.9	79.3	81.4	77.2	4.2
Temperature of Air within the Observatory.....	6.5	3.5	5.0	79.5	83.6	81.5	82.2	80.8	1.4
Temperature of ground one inch below its surface	8.3	5.0	6.7	76.3	81.6	79.0	80.2	77.8	2.4
Temperature of ground nine inches below its surface.....	0.7	0.5	0.6	78.8	83.3	81.0	81.0	81.1	0.1
Temperature of ground twenty inches below its surface.....	0.0	0.0	0.0	80.7	83.7	82.2	82.2	82.2	0.0
Temperature of ground sixty inches below its surface.....	0.0	0.0	0.0	83.1	84.7	83.9	83.9	83.9	0.0
Temperature of Wet-Bulb Thermometer.....	5.5	3.0	4.3	70.2	77.6	73.9	74.5	73.2	1.3
Temperature of Dew-point.....	4.6	1.7	3.2	66.9	75.9	71.4	71.4	71.4	0.0
Pressure of Moisture.....	0.093	0.048	0.071	0·664	0·879	0.771	0.773	0.769	0.004
Humidity of Air.....	0.24	0.15	0.19	0.83	0.74	0.79	0.74	0.83	0.09
Pressure of supposed Dry Air	0.177	0.90	0.133	29.222	28.828	29.025	29.030	29.021	0.009
Weight (in grains) of a Cubic Foot of Common Air.....	17	10	13	506	496	501	499	504	5
Weight (in grains) of Vapour in a Cubic Foot of Common Air	1.1	0.5	0.8	7.3	9.5	8.4	8.4	8.4	0.0
Weight (in grains) of Vapour required for complete saturation of a Cubic Foot of Common Air....	3.7	2.7	3.2	2.6	2·0	2.3	3.0	1.6	1.4
Quantity of Water actually Evaporated in the Atmosphere.....	0.014	0.010	0.012	43.767	33.591	77.358	0.012	0.006	0.006
Azimuth of Wind	-47	-24	-36	-26	-94	-60	-59	-61	-4
Force of Wind in Pounds.....	0.61	0.68	0.64	0.32	0.43	0.37	0.39	0.35	0.04
Extent of Cloudy Sky.....	1.9	1.5	1.7	1.8	5.6	3.7	3.9	3.4	0.5
Fall of rain by Newman's Guage..	*	*	*	1.86	75.05	77.91	40.16	36.75	3.41
Fall of rain by Osler's Guage....	*	*	*	1.70	72.94	74.64	38.84	35.80	3.04
Disturbance Days.....	—	—	—	21	30	51	—	—	—

TABLE CXX.—*Showing the Fall of Rain at different Stations, registered during the Year* 1861.

STATION.	Bombay.		Deesa.		Kurrachee.	Poona.		Belgaum.		Mahablesh-wur.	Matheran.
Elevation of place above the sea.	37½ feet.		400 feet.		40 feet.	1850 feet.		2260 feet.		4700 feet.	
Height of Guage above ground.	On the Ground.	28 feet.	On the Ground.	25 feet.	On the Ground.	On the Ground.	28 feet.	On the Ground.	25 feet.	On the Ground.	On the Ground.
Latitude of place.	18°53'30"		24°12'00"		24°47'19"	18.28.0		15.52		17.56	19.04
Longitude of place.	72.49.04		72.17.00		67.03.37	74.10.0		74.42		73.30	73.26
	in.	in.	in.	in.	in.	in.	in.			in.	in.
January			0.03	0.03	1.78	0.35	0.29	0.04	0.02	0.23	
February											
March						0.46	0.38	0.74		0.59	
April						0.28	0.22	0.55		0.65	
May.....	0.69	0.66				0.60	0.49	0.75		2.50	2.11
June.....	15.43	14.90	1.11	1.05		6.27	5.21	4.77	5.55	32.06	50.76
July.....	25.34	25.32	3.06	3.01	1.14	21.92	17.80	28.49	36.53	146.57	136.30
August.....	30.35	29.13	14.79	14.37	3.39	12.67	10.11	25.34	34.46	111.45	151.68
September ..	3.24	2.93	0.51	0.44		7.42	5.19	2.67	2.44	15.51	25.50
October	1.86	1.70	0.31	0.32		7.82	5.99	1.66	1.60	7.14	7.18
November ..								0.08	0.07		
December....					0.54						
Sum of 12 months.	76.91	74.64	19.81	19.22	6.85	57.79	45.68	64.69	80.67	316.70	393.53

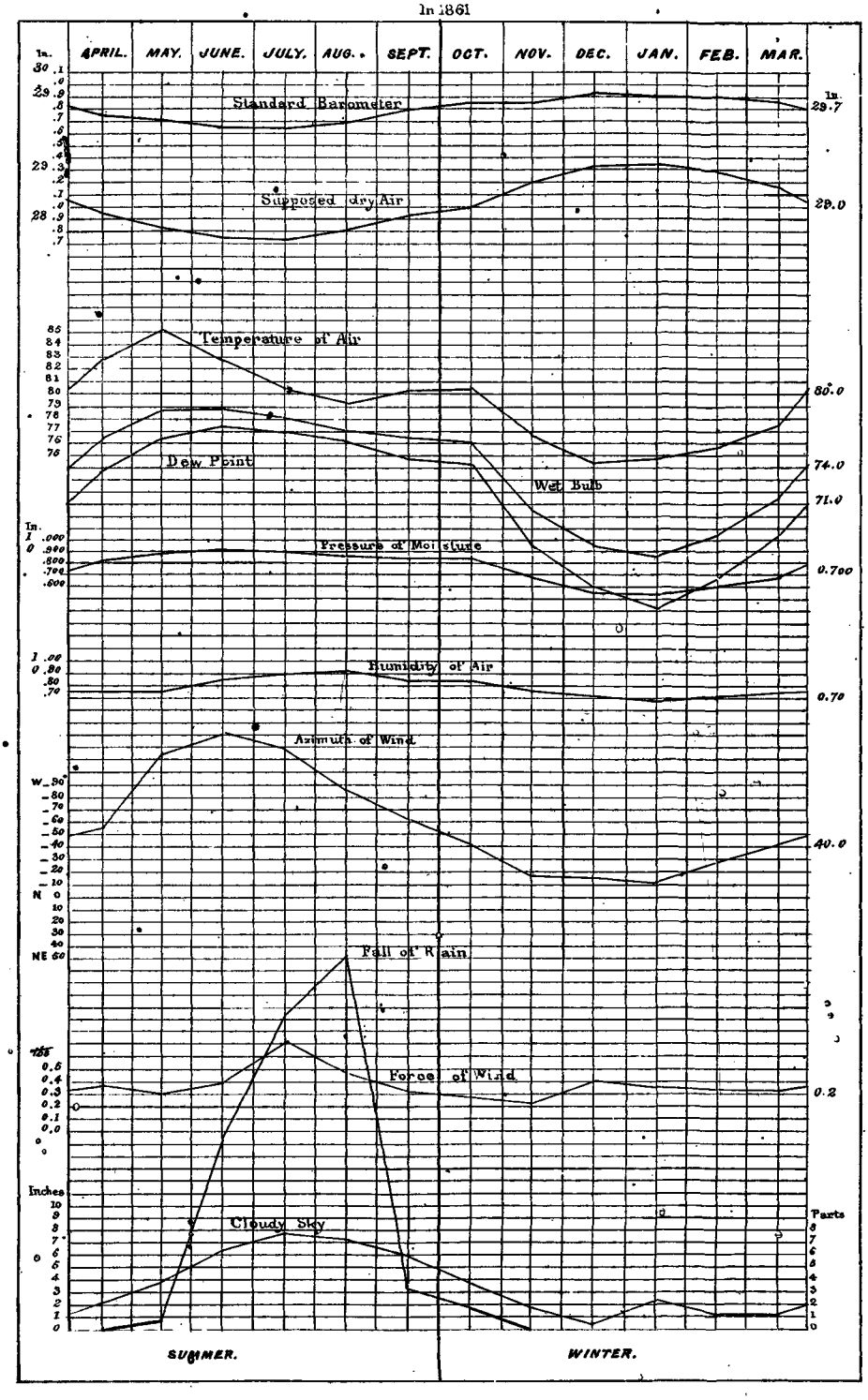
TABLE CXXI.—*Showing the Mean Hourly, Monthly, and Annual Values of Meteorological Elements, as deduced from the Results of the last Fifteen Years*, 1847—61 (*inclusive*).

Bombay Civil Time.	Standard Barometer No. 38, corrected.	Temperature of External and Free Air.	Temperature of Air within the Observatory by L. H. F. Thermometer.	Temperature of Ground one inch below its Surface.	Temperature of Ground nine inches below its Surface.	Temperature of Wet-Bulb Thermometer.	Temperature of deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Pressure of supposed Dry Air.	Weight, in Grains, of a Cubic Foot of Common Air.	Weight, in Grains, of Vapour in a Cubic Foot of Common Air.	Weight, in Grains, of Vapour required for complete Saturation of a Cubic Foot of Common Air.	Deduced quantity of Water evaporated in the Air.	Azimuth of Wind.	Force of Wind.	Extent of Cloudy Sky.	Fall of Rain.
	in.			*	*			in.		in.	grs.	grs.	grs.	in.	°	lbs.		in.
Mdinight.	29.809	77°2	81°7	77°8	81°1	73°6	71°9	0.776	0.85	29.033	505	8.4	1.5	0.006	– 53	0.14	3.4	2.79
1 A.M.	.795	77·0	81·5	77.6	81.1	73.4	71·8	.771	.85	.024	505	8·4	1.5	.006	– 52	.14	3.4	3.08
2 „	.785	76·6	81·3	77.3	81.0	73.2	71·6	.766	.86	.019	505	8.4	1.5	.005	– 49	.15	3.5	3·16
3 „	.777	76·4	81.1	77.0	80.9	72·9	71.3	.759	.85	.018	505	8.1	1.5	.006	– 47	.15	3.4	3.07
4 „	.779	76·1	80·9	76.8	80.8	72.7	71.2	.755	.86	.024	505	8.1	1.5	.005	– 43	.14	3.4	3.56
5 „	.789	75·8	80·7	76.5	80.8	72.5	71.0	.755	.86	.034	506	8.1	1.5	.005	– 42	.14	3.7	3.26
6 „	.807	75.7	80.5	76.3	80.7	72.2	70.6	.742	.89	.065	506	8.1	1.5	.005	– 40	.12	4.0	3.16
7 „	.830	76·7	80.5	76.9	80.7	73.2	71.6	.767	.84	·063	506	8.4	1.5	.006	– 35	.12	4.0	3.39
8 „	.850	79·3	81.1	78.0	80.7	74.1	71.9	.775	.79	.075	501	8.4	2.4	.009	– 33	.13	3.9	3.30
9 „	.860	81·4	82.0	79.2	80.8	74.9	72.1	.780	.74	.080	499	8.4	3.1	.011	– 32	.14	3.8	3.57
10 „	.860	83.0	83.0	80.2	80.9	75.4	72.2	.781	.70	.079	498	8.4	3.5	.014	– 34	.15	3.6	3.25
11 „	.847	84·1	83 8	81.1	81.0	75.8	72.4	.787	.69	.060	497	8.6	3.6	.015	– 42	.16	3.5	2.90
Noon.	.825	85.0	84.5	81.8	81.0	76.0	72.4	·785	.67	.040	494	8.3	4.2	.016	– 53	.20	3.4	2.67
1 P.M.	.800	85.5	85.1	82.5	81.2	76.4	72.7	·795	.66	.005	493	8.6	4.3	.017	– 63	.27	3.5	2.68
2 „	.778	85.5	85.3	82.7	81.3	76.6	73.1	·805	.67	28.973	492	8.6	4.3	.016	– 66	.33	3.4	2.52
3 „	.764	85.0	85.3	82.8	81.4	76.6	73.2	.806	.68	.958	493	8.7	3.9	.015	– 67	.39	3.4	3.10
3 „	.759	84.2	85.0	82.4	81.4	76.3	73.2	.806	.70	.953	495	8.6	3.6	.014	– 68	.37	3.5	2.46
5 „	.765	82.5	84.3	81 4	81.5	75.8	73.2	.806	.74	.959	496	8.7	3.1	.012	– 66	.35	3.6	2.23
6 „	.777	80.7	83.5	80.4	81.4	75.2	72.8	.807	.78	.980	498	8.7	2.4	.010	– 64	.34	3.7	2.49
7 „	.795	79.8	83.0	79.8	81.4	74.9	72.8	.806	.80	.999	500	8.7	2.1	.008	– 61	.34	3.4	2.69
8 „	.812	79.3	82.7	79.3	81.4	74.7	72.8	.794	.81	29.018	502	8.7	1.8	.008	– 60	.29	3.1	2.92
9 „	.825	78.6	82.4	78.9	81.3	74.3	72.5	.787	.82	.038	502	8.4	2.1	.007	– 58	.21	3.1	2.62
10 „	.827	78.0	82.1	78.4	81.3	73.9	72.2	.779	.83	.048	504	8.4	1.8	.007	– 56	.16	3.2	3.30
11 „	.820	77.6	81.9	78.1	81.2	73.7	72.0	.775	.84	.045	504	8.4	1.8	.006	– 55	.14	3.2	2.86
January	29.932	74.0	77.6	73.3	76.0	67.7	64.5	0.608	0.74	29.324	511	6.7	2.4	6.725	– 5	0.20	1.4	0.03
February	.906	75.8	78.8	75.1	76.8	69.0	65.4	.627	.71	.279	508	6.9	2.7	7.032	– 19	.21	1.2	0.00
March	.855	79.8	82.3	77.9	79.3	73.3	70.4	.737	.74	.118	501	8.0	2.8	8.106	– 15	.24	1.5	0.00
April	.793	83.1	85.1	81.7	82.5	76.6	74.0	.828	.75	28.965	496	9.0	2.9	8.274	– 49	.28	1.9	0.07
May.....	.742	85.6	87.3	84.4	85.0	79.0	76.6	.897	.75	.845	492	9.8	2.8	9.134	– 84	.29	3.2	0.37
June	.649	83.3	85.2	83.1	84.9	79.3	77.8	.934	.85	.715	893	10.1	1.8	5.178	–124	.38	6.4	23.00
July.....	.644	81.2	83.2	80.8	82.9	78.4	77.4	.921	.88	.723	496	10.0	1.2	3.671	–114	.48	7.2	24.35
August.....	.715	80.4	82.5	80.1	82.1	77.3	76.1	.884	.87	.831	498	9.6	1.4	4.063	– 98	.31	7.0	10.76
September ..	.772	80.3	82.6	80.5	82.2	76.8	75.5	.866	.86	.906	499	9.4	1.5	4.326	– 78	.18	5.8	9.26
October	.831	81.6	84.2	81.4	83.0	76.9	75.1	.857	.81	.974	498	9 3	2.1	6.088	– 23	.16	3.3	2.07
November ..	.895	79.2	82.5	77.4	80.1	72.3	69.1	.706	.72	29.190	503	7.7	2.9	8.227	– 7	.15	1.7	0.56
December....	.935	75.8	79.5	75.5	78.3	69.0	65.5	.629	.71	.306	508	6.8	2.8	7.790	– 1	.17	1.3	0.07
Annual Mean .	29.806	80.0	82.5	79.3	81.1	74.6	72.2	0.791	0.78	29.015	500	8.6	2.3	78.614	– 52	0.25	3.5	71.04

* This sign denotes that the numbers given in that column are the Means of two Years only.

MONTHLY VARIATION OF METEOROLOGICAL ELEMENTS

In 1861

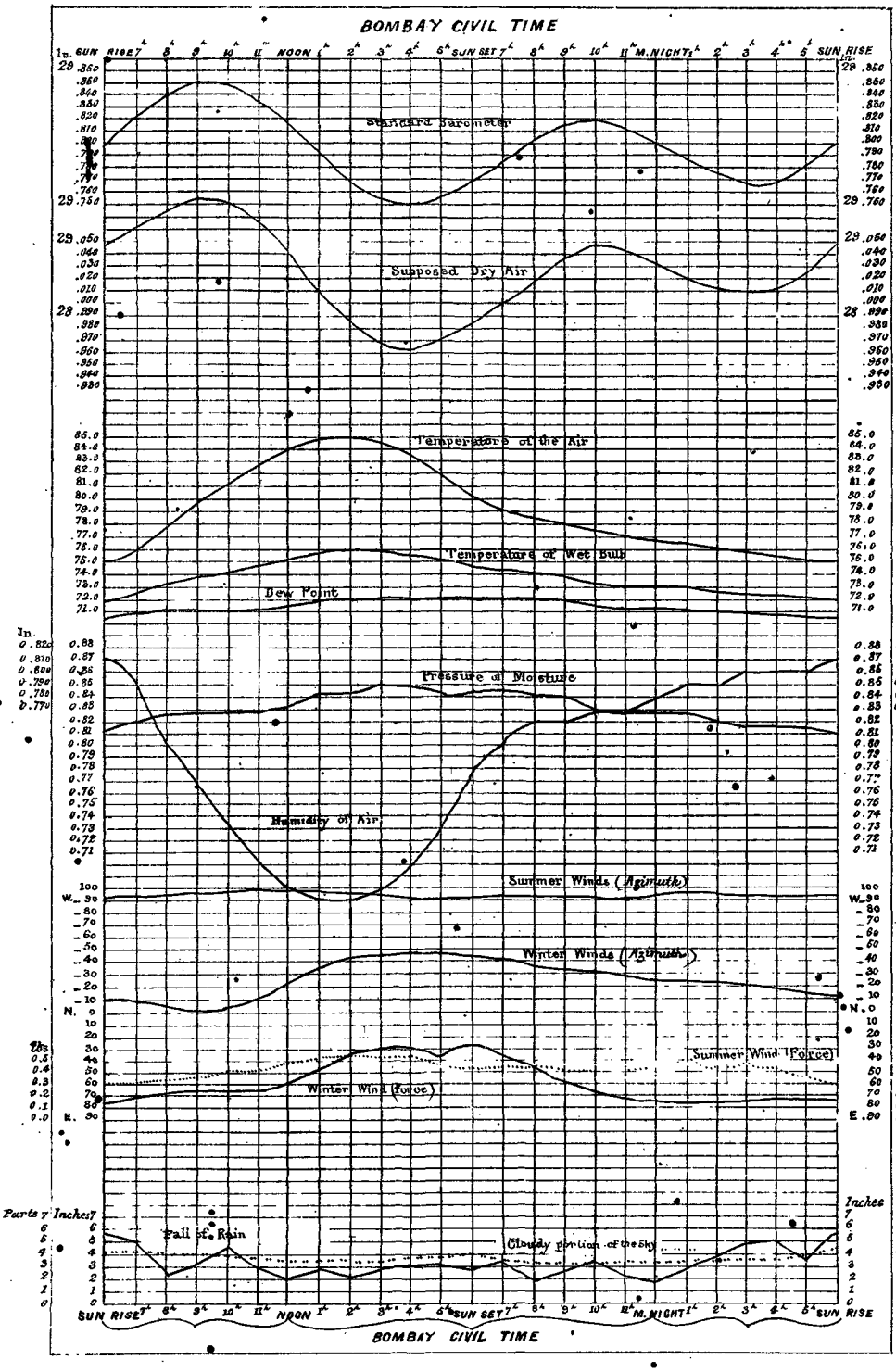


Drawn by Succaram Cassinath

Curved by Goverdhun Luximan C. 1st Assist. M.D.

DIURNAL CHANGES OF THE METEOROLOGICAL ELEMENTS

1861

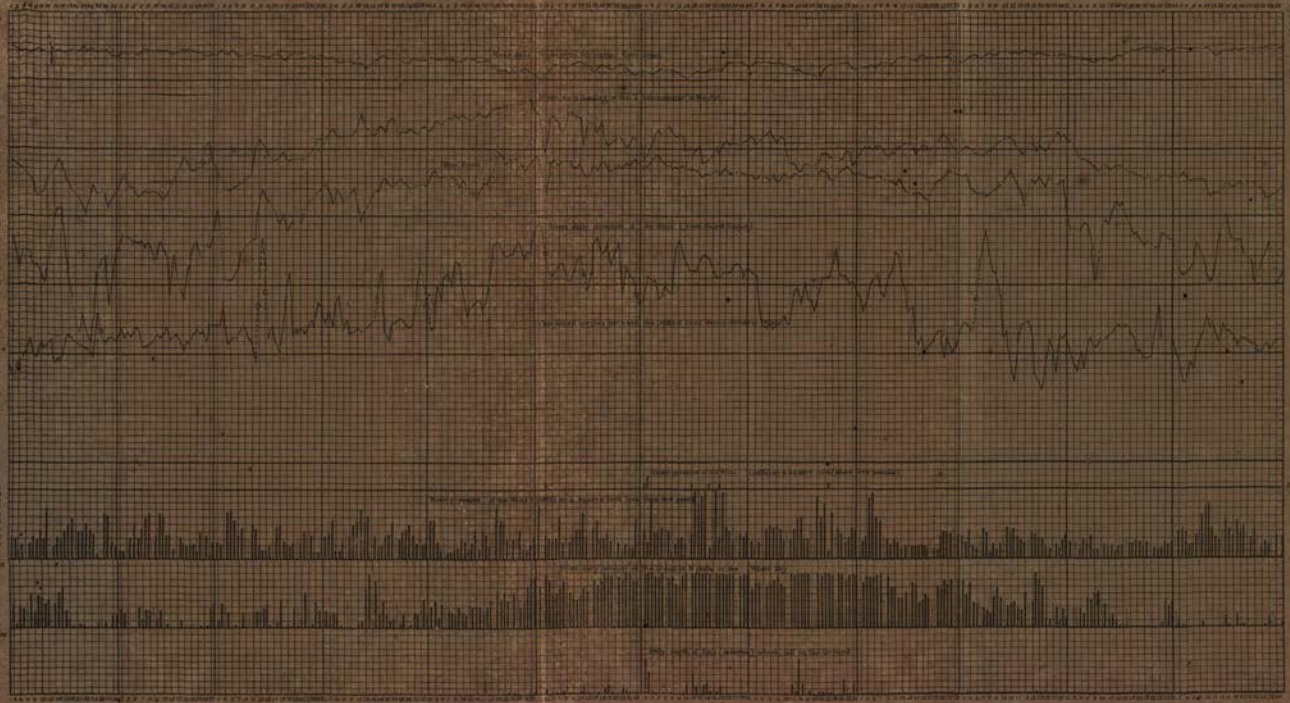

BOMBAY CIVIL TIME
SUN RISE 7h 8h 9h 10h 11h NOON 1h 2h 3h 4h 5h SUN SET 7h 8h 9h 10h 11h M. NIGHT 1h 2h 3h 4h 5h SUN RISE
In.
Standard Barometer
Supposed Dry Air
Temperature of the Air
Temperature of Wet Bulb
Dew Point
Pressure of Moisture
Humidity of Air
Summer Winds (Azimuth)
Winter Winds (Azimuth)
Summer Wind (Force)
Winter Wind (Force)
Fall of Rain
Cloudy portion of the Sky
Inches
Parts
BOMBAY CIVIL TIME

Drawn by Succaram Cassinathsett

Curved by Coverdhun Luxmun C. 1st Assistant.

CURVES exhibiting the principal **METEOROLOGICAL PHENOMENA** in the Year 1861, as observed at the **OBSERVATORY BOMBAY** (A dotted line denotes that no Observations were made where it occurs)

JANUARY. FEBRUARY. MARCH. APRIL. MAY. JUNE. JULY. AUGUST. SEPTEMBER. OCTOBER. NOVEMBER. DECEMBER.



JANUARY. FEBRUARY. MARCH. APRIL. MAY. JUNE. JULY. AUGUST. SEPTEMBER. OCTOBER. NOVEMBER. DECEMBER.

BOMBAY MAGNETICAL OBSERVATORY.

TIDAL OBSERVATIONS

FOR 1861.

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the ☽'s Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.		
		Time.	Height in Feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
JANUARY, 1861. 1	16·08						3.44							19.8
2	16.56	17.05	0.8	22.45	-6.8	7.6	4.32	5.45	3.8	12.00	-2.5	6.3	10.6	20.8 P
3	17.46	17.25	0.8	23.40	-7.6	8.4	5.21	6.35	4.1	12.35	-3.1	7.2	11.7	21.8 ◐
4	18.37	18.35	1.6	24.40	-8.0	9.6	6.11	7.15	4.4	13.00	-3.8	8.2	12.4	22.8
5	19.31	19.15	1.8	25.15	-8.0	9.8	7.04	8.10	4.6	13.50	-4.6	9.2	12.6	23.8
6	20.28	20.00	2.0	26.10	-8.5	10.5	7.59	8.45	4.7	14.45	-5.2	9.9	13.2	24.8
7	21.26	21.05	2.4	26.30	-8.5	10.9	8.57	9.40	5.2	15.25	-5.4	10.6	13.7	25.8
8	22.26	22.15	2.6	27.15	-8.5	11.1	9.58	10.30	5.5	16.15	-6.0	11.5	14.0	26.8
9	23.23	22 50	2.8	28.05	-8.0	10.8	10.54	11.25	5.8	17.30	-6.1	11.9	13.8	27.8
10	24.17	23.35	3.3	28.40	-7.6	10.9	12.00	12.10	5.4	18.15	-5.7	11.1	13.0	28.8 ●
11							12.42	12.45	5.4	18.49	-5.4	10.8	10.8	0.2
12	1.07	0.04	3.3	6.20	-8.2	11.5	13.30	13.32	5.4	19.33	-5.3	10.7	13.6	1.2
13	1.54	0.59	3.7	6.55	-7.2	10.9	14.15	13.47	5.4	20.13	-5.2	10.6	12.6	2.2
14	2.37	1.24	3.3	7.25	-6.5	9.8	14.57	14.12	5.2	20.48	-5.2	10.4	11.7	3.2
15	3.18	2.14	3.0	7.55	-5.5	8.5	15.38	14.47	4.7	21.18	-5.2	9.9	10.2	4 2
16	3.58	2.49	2.2	8.30	-4.4	6·6	16.18	15.17	4.0	21.48	-5.0	9.0	9.0	5·2
17	4.38	3.39	1.6	8.50	-3.3	4.9	16.59	15.47	3.1	22.28	-4.8	7.9	7.9	6.2 A
18	5.19	4.34	1.0	9.40	-2.2	3.2	17.41	16.32	2.2	23.23	-4.9	7.1	7.1	7.2 ☽
19	6.02	5.49	0.2	11.00	-1.4	1.6	18.26	17.12	1.4	24.28	-5.1	6.5	6.5	8.2
20	6.49	7.14	0.2	13.35	-0.8	1.0	19.14	18.27	0.6	24.53	-4.9	5.5	5.5	9.2
21	7.38	9.14	1.1	14.40	-0.5	1.6	20.05	18.57	0.5	26.33	-5.4	5.9	6.5	10·2
22	8.32	9.47	2.0	15.15	-0.7	2.7	21.00	20.22	-0.2	27.13	-6.5	6.3	8.5	11.2
23	9.28	10.10	3.0	16.15	-2.1	5.1	21.56	21.20	1.2	27.45	-6.7	7.9	9.7	12·2
24	10.25	10.45	4.4	17.20	-3.6	8.0	22.53	22.40	1.8	28.10	-7.5	9.3	11.9	13.2
25	11.22	11.10	5.4	18.05	-5.5	10.9	23.49	23.30	2.6	29.15	-8.1	10.7	13.5	14.2
26	12.17	11.55	6.1	18.55	-6.8	12.9	24.43	23.55	4.0	29.55	-8.2	12.2	14.3	15.2 ○
27	13.10	12.30	6.4	19.15	-7.7	14.1							14.1	16.2
28	14.01	12.55	6.3	19.30	-8.0	14.3	1.36	0.10	4.3	6.25	-8.2	12.5	14.5	17.2
29	14.52	13.25	6.1	19.55	-8.1	14.2	2.26	0.40	4.7	6.50	-8.1	12.8	14.2	18.2 P
30	15.42	14.00	5.8	20.50	-8.2	14.0	3.17	1.25	4.7	7.25	-7.0	11.7	14.0	19.2
31	16.32	14.30	5.0	21 10	-7.8	12 8	4.08	2.10	4.5	7.50	-5.4	9.9	12.8	20.2
FEBRUARY, 1861. 1	17.27	16.04	3.9	23.03	-7.2	11.1	5.00	3.19	3.7	9.36	-3.7	7.4	11.1	21·2
2	18.22	16.50	2.7	24.19	-6.8	9.5	5.55	4.50	2.7	10.53	-2.4	5.1	9.5	22.2 ◐
3	19.20	18.01	1.5	24.36	-6.0	7.5	6.52	6.13	1.9	13.06	-1.8	3.7	7.9	23.2
4	20.19	19.44	0.7	25.51	-6.0	6.7	7.49	8.20	2.1	14.23	-1.7	3.8	8.1	24.2
5	21.16	21.05	1.1	26.48	-6.7	7.8	8.37	9.21	2.9	16.10	-2.4	5.3	9.6	25.2
6	22.10	21.51	1.8	27.34	-7.4	9 2	9.42	9.52	3.8	16.30	-3.4	7.2	11.2	26.2
7	23.01	22.58	2.1	28.45	-7.8	9.9	10.35	10.38	4.2	17·21	-4.2	8.4	12.0	27.2
8	23.48	23.35	2.5	29.31	-8.2	10.7	11.24	11.39	4 5	18.33	-5.3	9.8	12.7	28.2
9	24.32	23.50	3.1	30.03	-7.7	10.8	12.10	12.10	4.7	19.13	-6.0	10.7	12.4	29.2 ●
10							12.53	12.35	4.5	19.34	-6.1	10.9	10.9	0.5
11	1.14	0.25	3.2	6.28	-7.0	10.2	13.34	13.11	5.1	19.54	-6.2	11.3	12.1	1.5
12	1.58	1.06	3.6	6.58	-6.7	10.3	14.14	13.41	4.6	20.20	-6.6	11.2	11.3	2.5
13	2.34	1.32	3.2	7.19	-5.9	9.1	15.55	14.08	4 2	20.45	-6.7	10.9	10.9	3.5
14	3.15	2.13	2.8	7.44	-5.1	7.9	15.36	14.28	3.6	21.16	-6.7	10.3	10.3	4.5 A
15	4.07	2.38	2.5	8.10	-4.1	6 6	16.30	14.59	2.8	21.31	-6.0	8.8	8.8	5.5
16	4.42	3·14	1.8	8.35	-2.9	4.7	17.06	15.09	1.9	22.18	-5.9	7.8	7.8	6.5
17	5.29	4.10	0.9	9.11	-2.1	3.0	17.54	15.29	1.1	22.43	-5.2	6.3	6.3	7.5 ☽
18	6.20	5.31	0.5	11.54	-1.3	1.8	18.49	16.35	0.4	24.34	-4.7	5.1	5.2	8.5
19	7.13	7.29	0.8	12.45	-1.1	1.9	19.41	17.31	0.0	25.10	-5.0	5.0	5.8	9.5
20	8.09	8.30	1.7	14.13	-1.9	3.6	20.37	19.49	-0.2	25.51	-5.7	5.5	7.4	10.5
21	9.05	9.36	2.9	16.04	-2.5	5.4	21.32	21.36	0.9	27.08	-6.3	7.2	9.2	11.5
22	10.00	10.23	4.1	16.25	-3.8	7.9	22.27	22.38	2.2	27.55	-6.8	9.0	10.9	12.5
23	10.55	11.06	5.2	17.21	-5.1	10.3	23 21	23.34	3.9	28.50	-7.8	11.7	13.0	13.5
24	11.47	11.24	6.1	18.06	-6.6	12 7	24.13	23.55	5.1	29.26	-8.2	13.3	14.3	14.5 ○
25	12.40	12.04	6.2	18.43	-8.1	14.3							14.3	15.5
26	13.32	12.35	6.3	19.08	-9.1	15 4	1.06	0.20	5.6	6.08	-8.3	13.9	15.4	16.5 P
27	14.25	13.16	5.9	19.34	-9.1	15.0	1.58	0.41	5.8	6.38	-7.8	13.6	15.0	17.5
28	15.19	13.45	5.2	20.04	-9.2	14.4	2.51	1.21	5.6	7.19	-6.8	12.4	14.8	18.5

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the ☽'s Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.		
		Time.	Height in Feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
MARCH, 1861. 1	16.16	14.32	4.2	20.50	-9.0	13.2	3.48	2.13	4.8	8.20	-5.3	10.1	13.8	19.5
2	17.15	15.14	2.7	22.11	-7.9	10.6	4.46	2.54	3.7	9.01	-4.2	7.9	11.6	20.5
3	18.14	16.10	1.1	22.53	-6.5	7.6	5.44	4.00	1.9	10.28	-3.0	4.9	8.4	21.5
4	19·11	17 21	-0.2	24.00	-6.2	6.0	6.42	5.46	0.9	12.25	-2.7	3.6	7.1	22.5
5	20.06	19.08	-1.0	25.11	-6.2	5.2	7.39	7.44	0.7	14.06	-3.2	3.9	6.9	23.5
6	20.57	20.35	-0.3	26 13	-6.7	6.4	8.31	8.35	1.4	15.14	-4.1	5.5	8.1	24.5
7	21.45	22.33	0.9	27.44	-6.9	7 8	9.21	9.31	2.2	16.05	-4.9	7.1	9.1	25.5
8	22.30	23.19	1.8	28.15	-7.2	9.0	10.07	10.28	2.9	17.21	-5.8	8.7	10.1	26.5
9	23.11	23.39	2.2	29.00	-7.6	9.8	10.50	11.04	3.2	17.48	-6.4	9.6	10.8	27.5
10	23.52	23.59	2.4	29.40	-7.7	10.1	11 32	11.29	3.2	18.13	-7.3	10·5	10.9	28.5
11							12.13	11.50	3.2	18.38	-7.8	11.0	11.0	29.5
12	0.33	0.11	2.8	6 02	-7,2	10.0	12.53	12.21	3.2	18.54	-7.9	11.1	11.1	0.7
13	1.13	0.32	3.2	6.36	-6.8	10.0	13 34	13.08	3.2	19.21	-8.2	11.4	11.4	1.7
14	1.55	1.14	3.1	7.02	-6.1	9.2	14.16	13.34	2.9	19.42	-7.9	10.8	11.0	2.7
15	2.38	1.58	2.8	7.29	-5.7	8.5	15.02	13.56	2.2	20.25	-8.0	10.2	10.8	3.7
16	3.24	2.24	2.2	7.56	-4.9	7.1	15.49	14·19	1.5	21.01	-7.7	9.2	9.9	4.7
17	4.13	3.01	1.6	8.37	-4 2	5.8	16.39	14.55	0.8	21.28	-7.2	8.0	8.8	5.7
18	5.04	4.04	0.8	9.50	-3.3	4.1	17.31	15.40	-0 2	22.20	-6.5	6.3	7.3	6.7
19	5.58	4.45	-0 2	11.34	-2.8	2.6	18.25	16.25	-0.8	22.53	-5.8	5.0	5.6	7.7
20	6.52	6.29	-0 2	13.06	-2.8	2.6	19.18	17.32	-1.0	24.11	-5.5	4.5	5.3	8·7
21	7.46	8.11	1.0	14.45	-3.1	4.1	20.12	19.51	-0.7	25.37	-6.2	5.5	7.2	9.7
22	8.39	9.00	1.8	15.34	-4.7	6.5	21.05	21.15	0.1	26.38	-6.9	7.0	8.7	10.7
23	9.31	9.35	2.8	16.15	-6.1	8.9	21.57	22.16	1.7	27.44	-6.9	8.6	9.7	11.7
24	10.23	10.13	3.8	16.45	-7.9	11 7	22.49	22.58	3.0	28.15	-7.8	10.8	11.7	12.7
25	11.15	10.48	4.3	17.31	-9·9	14.2	23.42	23.39	4·0	28.50	-8.7	12.7	14.2	13.7
26	12.04	11.29	4.3	17.51	-10.2	14 5	24.37	23.55	4.2	29.47	-8.9	13.1	14.5	14.7
27	13.04	12.09	4.2	18.28	-10.6	14.8							14.8	15.7
28	14.02	12.45	4.1	19.03	-10.8	14.9	1.33	0.05	4.6	6.23	-9.1	13.7	15.4	16.7
29	15.02	13.26	3.3	19.39	-11.0	14.3	2.32	0.45	4.5	6.59	-9.1	13.6	15.5	17.7
30	16.03	14.01	2.3	20.35	-10.8	13.1	3.33	1.26	4.0	7.44	-8.6	12.6	14.8	18·7
31	17.04	14.23	1.3	21.16	-10.8	12.1	4.34	1.58	3.3	8.20	-7.8	11.1	14.1	19.7
APRIL, 1861. 1	18.01	15.18	4.1	21.51	-5.1	9.2	5.32	3.04	6.0	9.21	-2.1	8.1	11.1	20.7
2	19.04	16.09	2.8	22.53	-3.8	6.6	6.27	4.10	4.8	11.03	-1.0	5.8	8.6	21.7
3	19.43	17.45	1.8	24.19	-2.8	4.6	7.28	5.21	3.8	12.25	-0.6	4.4	6.6	22.7
4	20.29	19.18	2.2	25.11	-2.2	4.4	8.06	6.58	3.8	13.41	-1.1	4.9	6.0	23.7
5	21.11	21.05	2.7	26.13	-2.3	5.0	8.50	8.20	4.0	14.48	-1.8	5.8	6.3	24.7
6	21.52	22.16	3.6	27.09	-2.8	6.4	9.31	9 06	4.8	15.39	-2.7	7 5	7.6	25.7
7	22.32	22.43	4.5	27.50	-2.8	7.3	10.12	9.36	5.1	16.10	-3.3	8.4	8.4	26.7
8	23.12	23.29	5.0	28.25	-3.1	8.1	10.52	10.18	5.2	16.50	-4.0	9.2	9.2	27.7
9	23.53	23.44	5.3	29.16	-3.2	8.5	11.33	10.38	5.1	17.11	-4.9	10.0	10.2	28.7
10	24.37	23.55	5.5	29.36	-3.5	9.0	12.15	11.19	5.0	17.51	-5.6	10.6	11.1	0.0
11							13.00	11.49	4.8	18.13	-6.2	11.0	11.0	1.0
12	1.22	0.25	5.6	6.18	-3.7	9.3	13.46	12.20	4.4	18.33	-6.5	10.9	12.1	2.0
13	2.10	0.55	4.5	7.14	-3.8	8.3	14.35	12.50	3.2	19.14	-6.7	9.9	11.2	3.0
14	3.00	1.21	4.4	7.29	-3.2	7.6	15.26	13.36	3.0	19.35	-6.2	9.2	10·6	4.0
15	3.52	2.23	4.1	8.15	-2.5	6.6	16.18	14.18	2.2	20.20	-5.2	7.4	9 3	5.0
16	4.45	3.14	3.0	9.21	-2.0	5.0	17.11	15.29	1.2	21.36	-4.9	6.1	7.9	6.0
17	5.37	4.15	2.4	10.58	-2.2	4.6	18.03	16.10	0.2	22.58	-4.6	4.8	7.0	7.0
18	6.29	5.16	2.1	12.30	-2.7	4.8	18.55	17.51	0.0	24.04	-4.5	4.5	6.6	8.0
19	7.20	6.48	2.0	13.46	-3.5	5.5	19.45	19.29	0.4	24.50	-4 3	4.7	6.3	9.0
20	8.10	8.20	2.6	14.43	-4.9	7.5	20.35	20.35	1.7	26.03	-4.8	6.5	7.5	10.0
21	9.01	8.30	3.4	15.29	-6.2	9.6	21.26	21.50	2.9	26.59	-5.4	8.3	9.6	11.0
22	9.51	9.21	4.2	15.55	-7.3	11.5	22.28	22.53	4.1	27.49	-5.8	9.9	11.5	12.0
23	10.47	10.13	4.7	16.30	-8.0	12.7	23.04	23.39	4.8	28.40	-6.2	11.0	12.8	13.0
24	11.43	11.04	3.9	17.11	-9.0	12.9	24.13	23.50	5.7	29.51	-6.8	12.5	14.7	14.0
25	12.43	11.49	4.3	17.41	-9.2	13.5							13.5	15.0
26	13.47	12.35	3.9	18.43	-9.5	13.4	1.14	0.25	5.9	6.58	-6.3	12.2	15.4	16.0
27	14.49	13.21	3.4	19.44	-9.3	12.7	2.18	1.16	5 8	7.34	-6.0	11.8	15.1	17.0
28	15.50	14.06	2.5	20.45	-8.8	11.3	3.19	2.03	5.0	8.25	-5.3	10.3	13.8	18.0
29	16.46	15.08	1.3	21.36	-7.3	8.6	4.07	2.54	3.9	9.36	-4.8	8.7	11.2	19.0
30	17.38	16.10	0.0	22.28	-6.1	6.1	5.12	3.50	2.8	10.48	-4.2	7.0	8.9	20.0

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the* ☽*'s Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.		
		Time.	Height in Feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
MAY, 1861. 1	18.25	17.31	-0 9	23.39	-5.2	4.3	6.01	4.40	1.7	12.20	-4.7	6.4	6.9	21.0 ☾
2	19.10	17.59	-0.7	24.00	-4.4	3.7	6.47	5.51	1.2	13.36	-4.7	5.9	5.9	22.0
3	19.51	19.03	-0.1	25.41	-4 2	4.1	7.30	6.43	1.0	14.33	-5.3	6.3	6.3	23.0
4	20.31	20.14	0.8	26.23	-4.2	5.0	8.11	7.34	1.0	14.59	-6.1	7.1	7.1	24.0
5	21.11	21 20	1.3	26.54	-4.4	5.7	8.52	8.25	1.1	15.24	-6.8	7.9	8.1	25.0
6	21.52	22.11	2.1	27.45	-4.6	6.7	9.32	9.11	1.2	15.59	-7.4	8.6	9.5	26.0
7	22.35	22.43	2.8	28.20	-4.8	7.6	10.14	9.46	1.4	16.30	-8.0	9.4	10.8	27.0 A
8	23.20	23.14	3.3	29.11	-4.8	8.1	10.57	10 28	1.7	17.11	-8.2	9.9	11.5	28.0
9	24.07	23 54	3.8	30.03	-4.8	8.6	11.43	11.09	1.9	17.31	-8.3	10.2	12.1	29.0 ●
10							12.32	11.34	1.8	17.51	-8.7	10 5	10.5	0.3
11	0.57	0.17	3 8	6.20	-5.2	9.0	13.26	12.11	1.7	18.19	-8.9	10.6	12.7	1.3
12	1.49	0.54	3.2	7.03	-5.3	8.5	14.15	12.43	1.1	18.56	-9.0	10.1	12.2	2.3
13	2.41	1.27	3.0	7.40	-5.2	8.2	15.07	13.26	0.7	19.34	-8.3	9.0	11.3	3.3
14	3.54	2.06	2.7	8.33	-5.1	7.8	16.03	14.19	0.2	20.11	-7.9	8.1	10.6	4.3
15	4.25	2.53	2.2	9.16	-5.2	7.4	16.50	14.47	-0.5	21.04	-7.2	6,7	9.4	5.3
16	5.15	3.46	1.8	10.13	-4.9	6.7	17.32	16.10	-0.8	22.17	-6.4	5 6	8.2	6.3
17	6.04	4.44	1.5	11.28	-5.3	6.8	18.28	17.39	-0.9	23.47	-5.8	4.9	7.8	7.3 ☽
18	6.52	5.32	1.5	13.01	-6.3	7.8	19.17	19.08	0.2	24.15	-5.5	5.7	7.8	8.3
19	7.41	6.26	1.7	13.49	-7.2	8.9	20.07	20.06	1.3	25.28	-5.3	6.6	8.9	9.3
20	8.32	7.39	2.2	14.53	-8.8	11.0	20.59	20.59	2.8	26.37	-4.2	7.0	11.6	10.3
21	9.26	8.30	3.8	15.14	-8.8	12.6	21.55	21.37	5.0	27.40	-4.7	9.7	13.8	11.3
22	10.23	9.21	3.8	15.44	-9.0	12 8	22.54	22.16	5.7	28.20	-5.1	10.8	14.7	12.3 P
23	11.25	10.18	3.9	16 25	-9.2	13.1	23.56	22.53	5.9	29.16	-5.5	11.4	15.1	13.3 ○
24	12.28	11.09	3.9	17.26	-9.2	13.1		23.49	6.1	30.18	-5.5	11.6	15.3	14.3
25	13.31	11.59	3.8	18.18	-8.9	12.7	0.59						12.7	15.3
26	14.32	12.45	3.3	19.08	-8.6	11.9	2.01	0.35	6.0	7.14	-5.6	11.6	14.6	16.3
27	15.27	13.31	2.7	19.44	-8.1	10.8	2.58	1.16	5.4	8.00	-5.2	10.6	13.5	17.3
28	16.18	14.23	1.7	20.20	-6.7	8.4	3.52	2.08	5.5	9.00	-5.2	10.7	12.2	18.3
29	17.04	15.24	0.7	21.15	-5.3	6.0	4.41	2.54	3.8	9.56	-5.0	8.8	9.1	19.3
30	17.48	16.35	0.2	21.56	-4.0	4.2	5.26	3.34	3.0	10.33	-4.4	7.4	7.4	20.3
31	18.25	18.06	0.2	23.39	-3.0	3.2	6.08	4.15	2.6	11.54	-4.4	7.0	7.0	21.3 ☾
JUNE, 1861. 1	19.09	19.26	1.1	24.37	-2.2	3.3	6.49	5 22	2.4	13.07	-4.3	6.8	6.7	22.3
2	19 50	20.14	1.1	25.40	-2 7	3.8	7.37	6.01	2.1	13.54	-5.5	7.6	7.6	23.3
3	20.32	20.56	1.4	26.59	-3.0	4.4	8.11	7.29	0.6	14.33	-6.0	6.6	7.4	24.3 A
4	21.16	21.59	2.3	27.25	-3.1	5.4	8.54	8.17	0.5	15.00	-6.7	7.2	9.0	25.3
5	22.02	22.38	2 8	28.25	-3.4	6.2	9 39	9 10	0 8	15.33	-7.0	7.8	9.8	26.3
6	22.52	23.10	3.4	28 57	-4.0	7.4	10.27	9.52	1.0	16.10	-7.4	8 4	10.8	27.3
7	23.41	23.48	3.7	29.30	-4 4	8.1	11.18	10.31	1.1	16.43	-8.0	9.1	11.0	28.3
8							12.13	11 08	1.5	17.05	-8.4	9.9	9,9	29.3 ●
9	0.49	0.16	4.0	6.02	-4.7	8.7	13.10	11.41	1.8	17.48	-8.5	10 3	12.5	0.7
10	1.29	0.34	4 3	6.52	-5.0	9 3	13.56	12.23	1.9	18.31	-8.5	10.4	12.8	1.7
11	2.25	2.18	4.4	7.54	-7.0	11.4	14.49	13.31	2.7	19.54	-6.4	9.1	10.8	2.7
12	3.13	2.59	3.5	8.45	-7.2	10.7	15.37	14.08	3.0	20.45	-6.2	9.2	9.7	3.7
13	4.02	3.44	2.4	9.21	-6.0	8.4	16.26	15.09	2.5	22.00	-5.6	8.1	8.5	4.7
14	4.50	4.55	1.9	10.23	-4.8	6.7	17.14	15.54	2.3	23.24	-5.0	7.0	7.0	5.7
15	5.37	5.58	1.0	11.09	-4.4	5.4	18.02	17.05	1.5	24.10	-4.4	5.9	5.9	6.7 ☽
16	6.26	7.09	-0.1	12.45	-3 7	3.6	18.32	19.14	1.0	25.46	-5.0	6.0	6.0	7.7
17	7.16	7.55	-0.4	13.46	-4.5	4.1	19.44	21.05	1.5	26 38	-5 5	7.0	7.0	8.7
18	8.11	8.40	0.0	14.48	-5 6	5.6	20.40	21.41	2.6	27.44	-6.6	9.2	9.2	9 7
19	9.09	9.46	-0.2	15.54	-6.7	6.5	21.39	22.53	3.7	28.45	-7.5	11.2	11.2	10.7 P
20	10.10	10.33	0.2	17.10	-7.8	8.0	22.41	23.44	4.7	29.46	-8.4	13.1	13.1	11.7
21	11.13	11.49	1.0	17.36	-8 2	9.2	23.43	24.11	5.6	30.14	-5.2	10.8	13.8	12.7
22	12.14	12.07	4.3	17.53	-7.3	11.6							11.6	13.7 ○
23	13.13	12.33	4.1	18.31	-7.2	11.3	0.43	0.44	5.7	6.41	-5.2	10.9	12.9	14.7
24	14.06	13.00	3.7	18.58	-7.1	10.8	1.39	1.00	5.9	7.18	-5.2	11.1	13.0	15.7
25	14.56	13.42	3.4	19.40	-6.8	10.2	2.31	1.22	5.8	8.01	-5.1	10.9	12.6	16.7
26	15.41	14.21	2 9	20.18	-5 5	8.4	3.18	2.05	5.4	8.52	-5.0	10.4	10.9	17.7
27	16.20	14.47	2.1	20.44	-4.3	6.4	4.02	2.47	4.8	9.25	-4.8	9.6	9.6	18.7
28	17.05	16.14	1.6	21.51	-2.8	4.4	4.51	3.29	4.0	10.03	-4.4	8.4	8.4	19.7
29	17.46	17.01	0.8	22.44	-2.0	2.8	5.26	4.01	3.5	10.44	-4.0	7.5	7.5	20.7 ☾
30	18.27	18.55	1.6	23.51	-1.2	2.8	6.07	4.42	2.7	11.36	-3.9	6.6	6.6	21.7

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the ☽'s Upper and Lower Transit.*

Date.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.		
		Time.	Height in Feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				☽
1	19.11	19.35	2.3	25.11	−0.2	2.5	6.49	5.22	2.2	12.41	−3.5	5.7	5.8	22.7 A
2	19.57	20.52	2.8	25.55	−1.0	3.8	7.34	6.20	2.1	13.43	−3.5	5.6	6.3	23.7
3	20.44	21.29	3.0	27.07	−1.5	4.5	8.22	7.27	1.2	14.09	−4.7	5.9	7.7	24.7
4	21.35	22.15	3.5	28.09	−2.0	5.5	9.09	8.34	1.1	15.12	−5.7	6.8	9.2	25.7
5	22.28	22.58	4.0	28.45	−2.6	6.6	10.02	9.31	1.5	15.54	−6·5	8.0	10.5	26.7
6	23.22	23.19	4.6	29.29	−3.3	7.9	10.55	10.24	1.9	16.26	−7.1	9.0	11.7	27.7
7							11.49	11.05	2.5	17.03	−7.6	10.1	10.1	28.7●
8	0.26	0.00	4.9	6.15	−4.2	9.1	12.52	11.47	2.9	17.29	−7·9	10.8	12.8	0.2
9	1.09	0.15	5.2	6.37	−4.7	9.9	13.12	12.13	3.4	18.15	−8.0	11.4	13.2	1.2
10	1.54	0.40	5.4	7.23	−5.5	10.9	14.20	12.55	3.6	18·53	−7.8	11.4	13.2	2.2
11	2.48	1.27	5.6	7.50	−6.3	11.9	15.12	13.32	3.5	19.35	−7.4	10.9	13.0	3.2
12	3.36	2.08	5.2	8.32	−6.5	11.7	16.00	14.23	3.4	20.16	−6.3	9.7	11.5	4.2
13	4.24	2.46	5.0	9.10	−6.6	11.6	16.49	15.21	3.2	21.03	−4.6	7.8	11.6	5.2
14	5.13	3.28	4.8	10.05	−6.6	11.4	17.40	16.23	2.9	22.35	−3.2	6.1	11.4	6.2 ☽
15	6.05	4.14	3.5	10.58	−6.5	10.0	18.33	17.41	2.5	23.54	−2.6	5.1	10.0	7.2
16	7.01	5.01	2.5	12.15	−6.3	8.8	19.30	19.50	1.8	25.22	−2.3	4.1	8.8	8.2 P
17	7.59	6.55	1.2	13.33	−6.6	7.8	20.29	20.56	3.4	26.19	−2.4	5.8	10.0	9.2
18	9.00	8.07	1.8	14.36	−7.0	8 8	21.30	21.44	4.3	27.32	−2.7	7.0	11.3	10.2
19	10.00	9.26	2.6	15.29	−7.4	10.0	22.29	22.37	5.3	28.24	−3.5	8.8	12.7	11.2
20	10.59	10.07	3.4	16.26	−7.8	11 2	23.27	23.19	5.8	29.17	−4.2	10.0	13.6	12.2
21	11.55	11.04	4.0	17.18	−7.7	11.7							11.7	13.2○
22	12.46	11.58	4.2	17.55	−7.6	11.8	0.20	0·01	5.9	5.53	−5.0	10.9	13.5	14.2
23	13.33	12.41	4.1	18.34	−7.4	11.5	1.09	0.10	5.6	6·48	−5.6	11.2	13.0	15.2
24	14·18	13.23	3.8	19.06	−6.5	10.3	1.55	0.52	5.5	7.31	−5.7	11.2	12.0	16.2
25	15.00	13.59	3.3	19.37	−5.6	8.9	2.38	1.25	5.3	7.58	−5.6	10.9	10.9	17.2
26	15.41	14.28	2.8	19.54	−4.5	7.3	3.21	1.51	4.4	8.24	−5.4	9.8	9.8	18.2
27	16.23	15.10	2.1	20.37	−3.4	5.5	4.02	2.14	3.9	8.41	−5.2	9.1	9.1	19.2
28	17.04	16.08	1.4	21.14	−2.3	3.7	4.44	3.01	3.0	9.14	−4.9	7.9	7.9	20.2 A
29	17.50	17.16	1.1	22.44	−1.3	2.4	5.27	3.29	2.2	9.46	−4.5	6.7	6.7	21.2 ☾
30	18.36	18.46	0.7	23.43	−1.2	1.9	6.13	4.17	1.3	11.13	−4.2	5.5	6.5	22.2
31	19.26	19.54	1.3	25.35	−1.3	2.6	7.01	4.59	0 8	12.39	−4.2	5.0	5.5	23.2
1	20.17	20.30	1.4	26.30	−1.6	3.0	7.52	5.25	0.4	13.30	−4.9	5.3	6.3	24.2
2	21.11	21.10	2.7	27.00	−2.4	5.1	8.44	7.25	0.1	14.10	−5.7	5.8	8.4	25.2
3	22.07						9.37							26.2
4	22.58						10.28							27.2
5	23.50	23.20	4.6	29.20	−5.3	9.9	11.24							28.2
6	24.41	23.55	5.5	30.10	−6.0	11.5	12.16	11.15	3.3	16.30	−6.4	9.7	11.9	29.2●
7							13.06	11.55	4.2	17.26	−6.6	10.8	10.8	0.8
8	1.33	0.10	5.6	7.00	−6.5	12.0	13.52	12.40	4.6	10.15	−6.3	10.9	12.0	1.8
9	2.20	0.55	5.2	7.20	−6.0	11.2	14.46	13·15	4.8	19.00	−5.8	10.6	11.2	2.8
10	3.10	1.45	4.8	8.40	−5.4	10.2	15.37	14.05	4.5	19.35	−5.4	9.9	10·2	3.8 P
11	4.02	2.25	4.5	9.30	−5.7	10.2	16.30	14.50	2.4	20.20	−4.2	6.6	10.2	4·8
12	4.47	2.50	3.8	10.15	−5.3	9.1	17.15	16.25	1.5	21.15	−2.7	4.2	9.1	5.8
13	5.49	4.07	2.6	11.22	−5.0	7.6	18.13	18.40	0.2	23.39	−1.9	2.1	7.6	6.8 ☽
14	6.43	4.49	2.0	11.34	−5.6	7.6	19.13	19.15	1.6	24.51	−1.4	3.0	7.6	7.8
15	7.43	6.01	1.1	12.51	−5.6	6.7	20.12	20.05	3.0	26.18	−2.1	5.1	8.6	8.8
16	8.51	7.43	1.5	14.08	−6.0	7.5	21.19	20.55	4.0	27.20	−3.2	7.2	10.0	9.8
17	9.47	9.00	2.3	15.05	−6.4	8·7	22.12	21.25	4.8	28.02	−3.7	8.5	11.2	10.8
18	10.34	9.57	3.5	15.22	−7.0	10.5	22.58	22.20	5.5	28.59	−4.6	10.1	12.5	11.8
19	11.27	10.25	4.4	15.39	−7.1	11.5	23.49	22.45	5.6	29.21	−5.0	10.6	12.7	12.8
20	12.12	11.11	4.5	17.06	−7.1	11.6	24.33	23.33	5.6	29.38	−5.3	10.9	12.7	13.8
21	12.55	11.52	4.4	17.32	−6.4	10.8							10.8	14.8○
22	13 37	12.34	4.5	18.01	−5.7	10.2	1.16	0.05	5.3	6.10	−5.9	11.2	11.2	15.8
23	14.08	13.06	3.9	18.37	−5.2	9.1	1.58	0.33	5.6	6.53	−6.2	11.8	11.8	16.8
24	15.01	13.43	3.5	19.03	−4.3	7.8	2.40	1.10	4.4	7.15	−6.1	10.5	10.5	17.8
25	15.44	14.20	3.2	19.40	−3.3	6.5	3.23	1.37	3.7	7.44	−5.7	9.4	9.4	18.8 A
26	16.30	15.12	2.2	20.22	−2.6	4.8	4.07	2.09	2.4	8.09	−5.4	7.8	7.8	19.8
27	17.17	15.49	1.2	21.14	−1.4	2.6	4.54	2.56	1.4	8.56	−5.0	6.4	6.4	20.8
28	17.52	16.51	0.0	22.51	−1.7	1.7	5.43	3.58	0.5	10.13	−4.9	5.4	5.4	21.8 ☾
29	19.00	18.47	0.5	24.47	−1.6	2.1	6.18	4.11	−0.2	10.31	−4.5	4.3	5.0	22.8
30	19.54	19.43	1.1	25.58	−2.4	3.5	7.26	5.12	−0.3	12.17	−4.6	4.3	5.7	23.8
31	20.47	20.48	2.0	26.13	−3.4	5.4	8.16	7.23	−0.3	13.33	−5.4	5.1	7.4	24.8

JULY, 1861.

AUGUST, 1861.

x—1861.

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the ☽'s Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transits.	High Water.		Low Water.		Range of Tide.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.		
		Time.	Height in Feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				
SEPTEMBER, 1861. 1	21.38	21.19	3.1	27.24	-4.3	7.4	9.08	8.29	0.6	14.24	-6.4	7.0	9.5	25·8
2	22.29	22.00	3.8	28.00	-5.7	9.5	10.03	9.15	1.7	15.30	-7.0	8.7	10.8	26.8
3	23.20	22.41	4.9	28.56	-6.8	11.7	10.55	10.06	2.8	16.06	-7.7	10.5	12.6	27.8
4	24.10	23.17	5.5	29.32	-8.0	13.5	11.45	10.47	4.2	16.47	-8.0	12.2	13.5	28.8●
5	25.02	23.48	5.3	29.58	-9.1	14.4	12.36	11.33	5.0	17.23	-8.1	13.1	14.4	0.4
6							13.29	12 04	5.0	18.14	-8.0	13.0	13.0	1.4 P
7	1.58	0.20	4.8	6.20	-9.6	14.4	14.13	12.55	4.5	18.55	-7.5	12 0	14.4	2.4
8	2.50	0.51	3.9	7.21	-10.0	13.9	15.19	13.46	3.9	19.31	-6.5	10.4	13.9	3.4
9	3.48	1.32	2.5	7.57	-9.8	12.3	16.18	14.32	2.6	20.07	-5.2	7.8	12.4	4·4
10	4.48	2.33	1.1	8·53	-8.7	9.8	17.17	15.48	1.6	21.33	-4.1	5.7	10.3	5.4
11	5.48	3.24	0.2	10.04	-7.4	7.6	18.17	15.44	0.5	23.24	-3.6	4.1	7.9	6.4 ☽
12	6.46	5.00	-0.8	11.30	-6.7	5.9	19.14	18.25	0.3	25.40	-4.2	4.5	7.0	7.4
13	7.42	6.10	0.2	13.10	-5.6	5.8	20.08	19.55	2.2	26.25	-4.0	6.2	7.8	8.4
14	8.34	8.20	0.8	14.15	-5.9	6.7	20.58	21.00	2.6	27.35	-4.6	7.2	8.5	9.4
15	9.23	9.20	1.5	15.10	-6.5	8.0	21.45	21.35	3.0	28.10	-5.9	8.9	9.5	10.4
16	10.08	10.00	2.2	15.55	-6.7	8.9	22.30	22.10	3.5	28.40	-6.5	10.0	10.2	11.4
17	10.52	10.40	2.8	16.30	-7.0	9.8	23.13	22.45	3.4	29.10	-7.4	10.8	10.8	12.4
18	11.34	11.10	3.0	17.00	-7·0	10.0	23.55	23.15	3.2	29.40	-7.7	10.9	10.9	13.4○
19	12·15	11.40	3.3	17.30	-6.8	10.1	24.36	23.40	3.0	29.55	-8.4	11.4	11.7	14.4
20	12.57	12.10	3.1	17.55	-6.7	9·8							9.8	15.4
21	13.40	12 45	3.0	18.25	-6.3	9.3	1.19	0.05	2.4	6.25	-8.3	10.7	11.3	16.4
22	14.35	13.15	2.6	18.50	-5·7	8.3	2.03	0.40	1.8	6.45	-8.3	10.1	10.9	17.4 A
23	15.12	13.50	2.3	19.45	-4.6	6·9	2.59	1.00	1.3	7.15	-7.8	9.1	10.1	18.4
24	16.01	14.40	1.8	20.06	-3 8	5.6	3.36	1.40	1.3	7.35	-7.2	8.5	9.0	19.4
25	16.51	15.15	0.8	21.00	-3.2	4.0	4.26	2.10	0.5	8.00	-6.7	7.2	7.5	20.4
26	17.42	16.20	0.2	22.30	-3.0	3.2	5.17	2.35	-0.2	8.45	-5.7	5.5	5.9	21.4 ☾
27	18·34	17.40	-0.1	24.10	-2.9	2·8	6.08	3.40	-0.9	10.15	-5.5	4.6	5.4	22.4
28	19.25	19.10	0.1	25.10	-3.9	4.0	7.00	5.00	-1.5	11.45	-5.2	3.7	5.3	23.4
29	20.16	20.15	1·2	26.20	-5.2	6.4	7.50	6.45	-1.3	13.00	-6.0	4.7	7.2	24.4
30	21.06	20.50	2.2	27.05	-6.4	8.6	8.41	8.10	0.0	14.10	-6.6	6.6	8.8	25.4
OCTOBER 1861. 1	21.57	22.20	2.9	27.50	- 7.9	10.8	9.31	9.05	+1 5	15.05	-7.3	8.8	10.8	26.4
2	22.43	22.10	3.6	28.45	- 9.5	13.1	10.21	9.45	2.8	16.05	-8.0	10.8	13.1	27.4
3	23.40	23.11	3.8	29.16	-10.3	14.1	11·11	11.06	3.8	17.06	-8.3	12.1	14.1	28.4●
4	24.35	23.52	3.6	29.52	-11.2	14.8	12.08	11.42	4.2	17.37	-8.6	12.8	15.4	0.0 P
5							13.05	12.38	4.7	18.38	-8.1	12.8	12.8	1.0
6	1.35	0.34	3.3	6.44	-11 3	14.5	14.10	13.24	4.4	19.19	-7.6	12.0	15.6	2.0
7	2.36	1.15	2.5	7.20	-10.7	13.2	15.07	14.15	3.7	20.05	-6.7	10.4	14.4	3.0
8	3.38	1.57	1.6	8.17	-10.2	11·8	16.09	15.02	2.5	20.47	-6.1	8.6	12.7	4.0
9	4.40	2.53	0.3	8.53	- 8.9	9.2	17.09	15.58	1.9	22.18	-5.5	7.4	10·8	5.0
10	5.32	3.54	-0.8	10.19	- 7.8	7.0	18.04	17.14	0.7	23.34	-5.1	5.8	8.5	6.0 ☽
11	6.32	4.45	-1.7	11.25	- 6.7	5.0	18.56	18.05	0.0	25.20	-5.5	5.5	6.7	7.0
12	7.21	6.36	-2.0	12.51	- 6.5	4.5	19.44	19.16	0.1	26.26	-6.2	6.3	6.6	8.0
13	8.07	8.32	-1.2	14.07	- 6.8	5.6	20.29	20.22	0.0	27.17	-7.4	7.4	7.4	9.0
14	8.51	9.08	-0.4	14.58	- 6·9	6.5	21.17	20.58	0.3	27.53	-8.0	8.3	8.3	10.0
15	9.33	9.50	0.5	15.45	- 6·9	7.4	21.53	21.40	0.8	28.15	-8.7	9.5	9.5	11.0
16	10.14	10.40	1.1	16.20	- 7·0	8.1	22.35	22.20	0.8	28.45	-9.1	9.9	10.2	12.0
17	10.55	11.05	1.6	16.45	- 7·1	8.7	23.17	22.50	0.9	28.55	-9.7	10.6	11.3	13.0
18	11.38	11.25	2.0	17.20	- 7·2	9.2	24.00	23.20	1.2	29.20	-10.3	11.5	12.3	14.0○
19	12.22	11.50	2.2	17.50	- 7.2	9.4	24.45	23.50	1.3	29.40	-10.4	11.7	12.6	15.0 A
20	13.09	12.30	2·0	18·15	- 7·2	9.2							9.2	16.0
21	13.56	12.55	1·5	18·45	- 7·0	8.5	1.34	0.15	0.8	6.10	-10.3	11.1	11.8	17.0
22	14.46	13.40	0·7	19·20	- 6.6	7.3	2·21	0.40	0.5	6·35	-10.0	10.5	10.7	18.0
23	15.37	14.15	0·3	19·50	- 6.2	6.5	3.11	1.10	-0.6	7.00	-9.8	9.2	10.1	19 0
24	16.27	15.00	-0·2	20·20	- 5.4	5.2	4.02	1.40	-1.2	7.40	-8.8	7.6	8.6	20.0
25	17.17	15.40	-0·7	22·10	- 5 4	4.7	4.52	2.30	-2.0	8.20	-7.8	5.8	7.1	21.0
26	18.07	16.40	-1·1	23·30	- 5·9	4.8	5.42	3.45	-2.7	9.35	-7·0	4.3	5.9	22.0 ☾
27	18.55	17·55	-1·0	24·25	- 6.6	5.6	6.31	4.20	-2.3	10.55	-6.5	3.7	5.6	23.0
28	19.44	19.05	-0·7	25·35	- 7.4	6.7	7.19	6.15	-2.1	12.20	-6.6	4.5	6.7	24.0
29	20.33						8.18	7.40	-1.3					25.0
30	21.23						8.58							26.0
31	22.18						9.51							27.0

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the* ☽'s *Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.		
		Time.	Height in Feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
NOVEMBER, 1861. 1	23.14						10 47							28.0
2							11.45							P 29.0
3	0.16						12.48							0.8
4	1.21						13.53							1.6
5	2.24						14.55							2.6
6	3.26						15.55							3.6
7	4.24						16.50							4.6
8	5.16	3.20	0.7	9.25	-5.5	6.2	17.40	16.00	3.0	23.15	-3.6	6.6	8.5	5.6
9	6.04	4.50	0.5	10.50	-4.2	4.7	18.27	17.10	2.4	24.50	-4.2	6.6	6.6	6.6 ☽
10	6.44	6.40	0.4	12.15	-3.6	4.0	19.18	18.30	2.1	26.30	-5.5	7.6	7.6	7.6
11	7.32	8.10	0.3	13.15	-3.4	3.7	19.52	19.25	1.8				5.2	8.6
12	8.10						20.39							9.6
13	8.54						21.16							10.6
14	9.36	10.20	2.5	16.10	-3.8	6.3	21.58	21.45	1.4	28.10	-7.5	8.9	10.0	11.6
15	10.20	10.50	3.4	16.55	-3.9	7.3	22.43	22.25	1.6	28.30	-7.8	9.4	11.2	12.6 A
16	11.05	11.15	3.8	17.25	-4.2	8.0	23.29	22.50	2.0	28.55	-8.0	10.0	11.8	13.6
17	11.53	11.40	4.1	18.00	-4.4	8.5	24.18	23.35	1.8	29.20	-8.5	10.3	12.6	14.6 ○
18	12.42	12.15	4.1	18.40	-4.5	8.6	25.07	23.55	1.8	29.55	-8.3	10.1	12.4	15.6
19	13.33	12.50	4.0	19.20	-4.6	8.6							8.6	16.6
20	14.24	13.15	3.7	19.45	-4.7	8.4	1.58	0.35	1.5	6.15	-8.4	9.9	12.1	17.6
21	15.14	13.55	3.7	20.00	-4.1	7.8	2.49	0.55	1.4	6.50	-7.4	8.8	11.1	18.6
22	16.03	14.30	3.4	20.50	-4.1	7.5	3.38	1.30	1.2	7.25	-6.6	7.8	10.0	19.6
23	16.50	15.20	2.8	21.30	-4.0	6.8	4.26	2.15	0.6	8.00	-6.0	6.6	8.8	20.6
24	17.37	16.10	2.5	22.00	-4.0	6.5	5.14	3.10	0.2	9.10	-4.9	5.1	7.4	21.6
25	18.24	16.45	2.6	22.40	-4.2	6.8	6.01	4.35	0.2	10.20	-4.0	4.2	6.8	22.6 ☾
26	19.12	17.25	2.7	23.50	-4.6	7.3	6.58	6.00	0.5	11.40	-3.2	3.7	7.3	23.6
27	20.04	18.45	2.6	24.40	-5.6	8.2	7.37	7.15	1.8	12.45	-3.2	5.0	8.2	24.6
28	20.46	19.45	3.0	25.40	-6.8	9.8	8.26	8.15	3.2	13.50	-3.3	6.5	10.0	25.6
29	21.56	20.40	3.1	26.20	-8.1	11.2	9.15	9.05	4.6	15.05	-3.6	8.2	12.7	26.6 P
30	22.46	21.30	3.1	27.10	-9.4	12.5	10.22	9.50	5.6	16.00	-4.4	10.0	15.0	27.6
DECEMBER, 1861. 1	24.01	22.15	3.5	27.55	-10.0	13.5	11.18	10.40	6.5	16.50	-4.8	11.3	16.5	28.6 ●
2	25.06	23.50	4.1	29.40	- 9.5	13.6	12.33	11.55	6.8	18.15	-5.2	12.0	16.3	0.2
3							13.36	12.40	6.7	19.10	-5.6	12.3	12.3	1.2
4	2.07	0.35	3.8	8.30	- 9.4	13.2	14.35	13.25	6.3	20.10	-5.8	12.1	15.7	2.2
5	3.04	1.30	3.0	7.35	- 8.8	11.8	15.30	14.15	5.3	20.55	-5.8	11.1	14.1	3.2
6	3.56	2.25	2.3	8.10	- 7.4	9.7	16.20	14.55	4.2	21.45	-5.8	10.0	11.6	4.2
7	4.44	3.15	1.3	9.10	- 5.8	7.1	17.06	15.35	3.3	22.40	-5.6	8.9	9.1	5.2
8	5.28	4.00	0.2	10.10	- 4.6	4.8	17.49	16.10	2.1	23.40	-5.4	7.5	7.5	6.2 ☽
9	6.10	5.20	-0.5	11.25	- 3.5	3.0	18.31	17.00	1.3	24.25	-5.6	6.9	6.9	7.2
10	6.52	6.45	-0.2	12.20	- 3.0	2.8	19.13	17.55	0.8				3.8	8.2
11	7.38						20.00							9.2
12	8.17						20.40						☽	10.2
13	9.02						21.26						☽	11.2 A
14	9.49	10.20	2.8	16.45	- 3.3	6.1	22.13	21.40	0.3	28.10	-7.7	8.0	10.5	12.2
15	10.38	10.55	3.1	17.20	- 4.2	7.3	23.03	22.25	0.6	28.40	-8.4	9.0	11.5	13.2
16	11.28	11.35	3.3	17.55	- 4.5	7.8	23.45	23.10	0.8	29.10	-8.7	9.5	12.0	14.2
17	12.19	12.00	3.6	18.25	- 4.9	8.5	24.44	23.45	1.3	29.40	-8.9	10.2	12.5	15.2 ○
18	13.11	12.40	3.8	19.10	- 5.8	9.6							9.6	16.2
19	14.00	13.05	3.6	19.35	- 6.0	9.6	1.35	0.10	1.4	6.20	-9.0	10.4	12.6	17.2
20	14.48	13.40	3.6	20.05	- 6.3	9.9	2.24	0.50	1.4	6.45	-8.7	10.1	12.3	18.2
21	15.35	14.20	3.0	20.50	- 6.6	9.6	3.12	1.40	0.9	7.20	-8.6	9.5	11.6	19.2
22	16.21	15.10	2.8	21.40	- 6.7	9.5	3.18	2.20	0.5	7.55	-7.6	8.1	10.4	20.2
23	17.08	15.45	2.3	22.30	- 7.1	9.4	4.45	3.15	0.4	8.45	-6.5	6.9	9.4	21.2
24	17.55	16.25	1.5	23.25	- 7.6	9.1	5.32	4.10	0.0	9.55	-5.6	5.6	9.1	22.2 ☾
25	18.46	17.05	1.0	24.15	- 8.0	9.0	6.21	5.15	-0.6	10.45	-4.6	4.0	9.0	23.2
26	19.40	17.55	0.5	25.15	- 8.7	9.2	7.13	7.05	0.0	12.10	-4.1	4.1	9.2	24.2
27	20.38	18.50	0.0	26.15	- 9.7	9.7	8.09	8.20	1.0	14.05	-4.2	5.2	10.7	25.2
28	21.40	20.55	0.0	26.50	-10.5	10.5	9.09	9.15	2.1	15.25	-4.9	7.0	12.6	26.2
29	22.43	21.35	0.7	27.35	-10.9	11.6	10.11	10.10	2.7	16.25	-6.0	8.7	13.6	27.2 P
30	23.46	22.25	1.2	28.20	-10.9	12.1	11.14	10.55	3.6	17.05	-6.8	10.4	14.5	28.2
31		23.35	1.8	29.00	-10.6	12.4	12.16	11.30	4.1	17.55	-7.7	11.8	14.7	29.2 ●

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